HONGFA

FILM CAPACITOR
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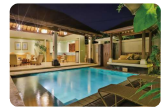
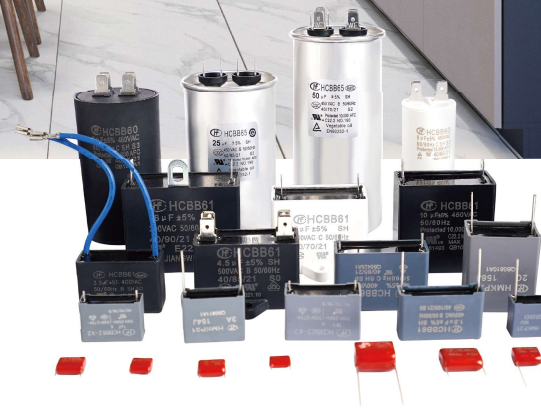
CAPACITOR





www.hongfa.com

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STRENGTH

■ Comprehensive Testing and Analysis Capability

I longfa owns the largest and most comprehensive testing Lab, Certified by VDE, UL and CNAS,Partner of VDE since 2007, the only enterprise in the global component industry. Chemical Analysis Lab is accredited by CNAS, capable of providing with the reliable and RoHS compliance test report.

■ Top-notch Designing and Manufacturing Capacity in Machine Automation

Hongfa owns the top-notch designing and manufacturing capacity in machine automation, focuses on the factor analysis and process optimization in the production process.

■ Complete Quality Assurance System

Hongfa strictly insists on the operational philosophy of "Focus on the market, Winning through quality", Quality Policy of "Pursue impeccable quality to win customer' s satisfaction of our products and services", Integrally fulfill the international quality and safety environment system of ISO9001 & ISO14001.

ABOUT US »


浙江宏发五峰电容器有限公司
ZHEJIANG HONGFA WUFENG CAPACITOR CO.,LTD
宏发股份

HONGFA (Hongfa Group: SH600885)is the leading relay manufacturer in China and one of the major relay suppliers in the world, with the No.1 relay output globally and being ranking as the top relay manufacturer in China in terms of overall economic index.

HONGFA produces relay, capacitor, low-voltage device, L/H voltage complete equipment, precision component, automatic equipment & etc. Products are currently being exported to over 120 countries and regions, localized sales and service network are established among multiple regions with the capability of globalized market operation and technical support. Customers involve multiple world-renowned enterprises in the fields of industry, energy, transportation, home appliance, medical care, national defense, etc.

HONGFA always focuses on developing and absorbing the leading edge technology in relay technical field, owns the state-accredited technical center, the largest and most comprehensive testing center, established the first postdoctoral research station and academician research station in relay industry. Hongfa participates in formulating relay national and industry standard, implements several national key projects, which contributes to the development of relay industry.

Founded in 1984, Zhejiang Hongfa Wufeng Capacitors Co. Ltd. is a professional film capacitor manufacturer with the integrate capability of R&D, design, production and sales, and the annual capacity of 0.38billion pcs.

The company is located in Zhuji, Zhejiang province, with strong technical force, product research and development ability. The factory integrates metal film evaporation, plastic case mold manufacturing and production of the previous parts supporting capacity, has won the national key high-tech enterprise, intelligent manufacturing demonstration base. Products are widely used in communication, home appliance, power supply, industrial control, green energy and other fields.

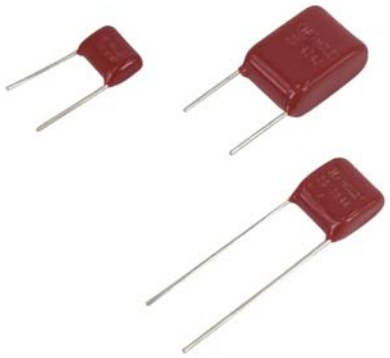

With more than 30 years of film capacitor
manufacturing experience,
provide customer with one-stop solution
of film capacitor application.

Contents

◆ Universal Capacitor

HCL21

Metallized polyester film capacitor(dipped)



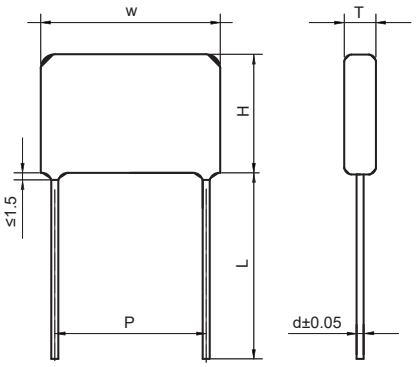
Features

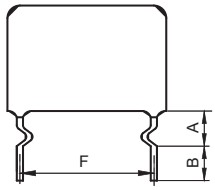
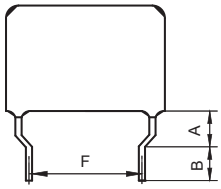
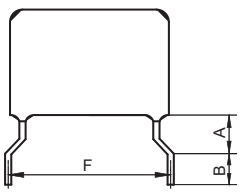
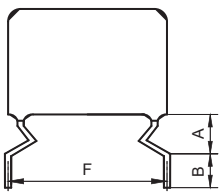
- Metallized polyester film, non-inductive wound construction
- Wide capacitance range,small size and light weight
- Excellent self-healing property,long life
- Flame retardation epoxy resin coated

Typical applications

- Widely used in blocking and VHF signal circuits with the fuctions of blocking,coupling,by-pass
- Widely used in filtering and low pulse circuits

Outline Drawing



Forming lead shapes			
I	II	III	IV
			
P≥F		P<F	
0mm≤P-F≤3mm	3mm＜P-F≤8mm	3mm＜F-P≤5mm	0mm＜F-P≤3mm
F±0.8mm;A≤4.5mm;B=4.0±0.5mm			

Specifications

Reference standard	GB/T 7332 (IEC 60384-2)					
Climatic category	55/105/21					
Operating temperature range	-55℃~+105℃ (+85℃~+105℃:decreasing factor 1.25% per ℃ for U_R)					
Rated temperature	85℃					
Rated voltage	50Vd.c.,63Vd.c.,100Vd.c.,250Vd.c.,400Vd.c.,450Vd.c.,630Vd.c.,1000Vd.c.,1250Vd.c.					
Capacitance range	0.0010μF~10.0μF					
Capacitance tolerance	±5%(J),±10%(K)					
Voltage proof	1.6U_R (5s)					
Dissipation factor	≤1.0%(1kHz,20℃)					
Insulation resistance	U_R≤100V	≥3500MΩ,C_N≤0.33μF ≥1250s,C_N>0.33μF	(20℃,10V,1min)			
	U_R>100V	≥30000MΩ,C_N≤0.33μF ≥10000s,C_N>0.33μF	(20℃,100V,1min)			

Max. Pulse Rise Time: If the working voltage(U) is lower than the rated voltage (U_R), the capacitor can be worked at high dV/dt condition. In thiscase, the maximum allowed dV/dt is obtained by multiplying the right value with U_R/U

U_R(V)	dV/dt(V/μs)				
	P=7.5mm	P=10.0mm	P=15.0mm	P=22.5mm	P=27.5mm
50/63	7.5	6	3	2	--
100	15	9	5	3	--
250	30	20	12	8	5
400/450	40	30	20	10	7
630	--	40	25	12	10
1000	70	60	30	15	12
1250	80	70	40	18	14

Ordering Information

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
H	C	L	2	1	/													(	×	×	×	)

Series code

AC rated voltage

1H=50V
1J=63V
2A=100V
2E=250V
2G=400V
2J=630V
3A=1000V
3B=1250V

Rated capacitance value

For example:
103=10×10^{3}pF
=0.01μF

Capacitance tolerance

J=±5%
K=±10%

Pitch

2=5.0mm
3=7.5mm
4=10mm
6=15mm
8=20mm
9=22.5mm
A=25mm
B=27.5mm

Internal code

0(Standard part)
1-(I type)

lead form and packaging code

See table 1

Internal code

To identifiy when the special requirements needed

Table 1 : Terminal Code and Packing Code

Digit 15		Digit 16		Digit 17		Digit 18	
Code	explanation	Code	explanation	Code	explanation	Code	explanation
A	ammo-pack	2 3 4 6	F=5.0mm F=7.5mm F=10.0mm F=15.0mm	0	straight	1	Between two consecutive mounting holes P3=12.7mm,H=18.0mm (pitch=5.0/7.5mm)
						5	P3=25.4mm;H=18.0mm (pitch=10.0/15.0mm)
				1	crimped	A	Between two consecutive mounting holes P3=12.7mm,H=20.0mm (pitch=5.0/7.5mm)
						E	P3=25.4mm;H=20.0mm (pitch=10.0/15.0mm)
F	crimped lead	2 3 4 6	F=5.0mm F=7.5mm F=10.0mm F=15.0mm	0	B=4.0mm	0	B length tolerance ±0.5mm
C	straight lead (bulk package)	00	standard lead length 18mm(min.)			0	B length tolerance ±0.5mm
		40	lead length 4.0mm				

Outline Dimensions

I type(Small size)

50Vd.c.(30Va.c.)/63Vd.c.(40Va.c.)													
CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.39	10.5	8.2	4.2	7.5	0.6	HCL21/1H394-31****	2.2	17.5	10.6	5.8	15.0	0.6	HCL21/1H225-61****
0.47	10.5	8.5	4.5	7.5	0.6	HCL21/1H474-31****	2.7	17.5	11.1	6.3	15.0	0.6	HCL21/1H275-61****
0.56	10.5	8.8	4.8	7.5	0.6	HCL21/1H564-31****	3.3	17.5	11.8	6.9	15.0	0.6	HCL21/1H335-61****
0.68	10.5	9.2	5.2	7.5	0.6	HCL21/1H684-31****	3.9	17.5	12.3	7.5	15.0	0.8	HCL21/1H395-61****
0.82	10.5	9.6	5.6	7.5	0.6	HCL21/1H824-31****	4.7	25.2	11.9	6.3	22.5	0.8	HCL21/1H475-91****
1.0	12.5	9.4	5.4	10.0	0.6	HCL21/1H105-41****	5.6	25.2	12.5	6.9	22.5	0.8	HCL21/1H565-91****
1.2	12.5	9.9	5.8	10.0	0.6	HCL21/1H125-41****	6.8	25.2	13.2	7.6	22.5	0.8	HCL21/1H685-91****
1.5	12.5	10.5	6.5	10.0	0.6	HCL21/1H155-41****	8.2	25.2	13.9	8.3	22.5	0.8	HCL21/1H825-91****
1.8	12.5	11.5	6.7	10.0	0.6	HCL21/1H185-41****	10.0	25.2	14.8	9.2	22.5	0.8	HCL21/1H106-91****
100Vd.c.(63Va.c.)													
CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.27	10.5	7.3	3.8	7.5	0.6	HCL21/2A274-31****	0.47	10.5	8.5	4.5	7.5	0.6	HCL21/2A474-31****
0.33	10.5	8.0	3.9	7.5	0.6	HCL21/2A334-31****	0.56	10.5	8.8	4.8	7.5	0.6	HCL21/2A564-31****
0.39	10.5	8.2	4.2	7.5	0.6	HCL21/2A394-31****	0.68	10.5	9.2	5.2	7.5	0.6	HCL21/2A684-31****

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%;
(2) "****"=terminal code and packaging code (see table 1);
(3) When the rated voltage is 63V,the digit 7~8 is 1J.

Outline Dimensions

I type(Small size)

100Vd.c.(63Va.c.)													
CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.82	12.5	9.0	5.0	10.0	0.6	HCL21/2A824-41****	3.3	17.5	14.8	7.7	15.0	0.8	HCL21/2A335-61****
1.0	12.5	9.4	5.4	10.0	0.6	HCL21/2A105-41****	3.9	17.5	15.5	8.4	15.0	0.8	HCL21/2A395-61****
1.2	12.5	9.9	5.8	10.0	0.6	HCL21/2A125-41****	4.7	25.2	11.9	6.3	22.5	0.8	HCL21/2A475-91****
1.5	12.5	10.5	6.5	10.0	0.6	HCL21/2A155-41****	5.6	25.2	13.5	6.3	22.5	0.8	HCL21/2A565-91****
1.8	17.5	11.8	6.2	15.0	0.6	HCL21/2A185-61****	6.8	25.2	14.2	7.0	22.5	0.8	HCL21/2A685-91****
2.2	17.5	12.4	6.8	15.0	0.6	HCL21/2A225-61****	8.2	25.2	15.9	7.1	22.5	0.8	HCL21/2A825-91****
2.7	17.5	13.1	7.5	15.0	0.6	HCL21/2A275-61****	10.0	25.2	16.7	7.9	22.5	0.8	HCL21/2A106-91****

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%;
(2) "****"=terminal code and packaging code (see table 1);
(3) When the rated voltage is 63V,the digit 7~8 is 1J.

I type(Small size)

250Vd.c.(160Va.c.)													
CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.022	10.5	8.3	4.2	7.5	0.6	HCL21/2E223-31****	0.56	17.5	10.7	5.9	15.0	0.6	HCL21/2E564-61****
0.027	10.5	7.6	4.2	7.5	0.6	HCL21/2E273-31****	0.68	17.5	11.3	6.4	15.0	0.6	HCL21/2E684-61****
0.033	10.5	7.3	3.9	7.5	0.6	HCL21/2E333-31****	0.82	17.5	12.3	6.7	15.0	0.6	HCL21/2E824-61****
0.039	10.5	7.5	4.1	7.5	0.6	HCL21/2E393-31****	1.0	17.5	13.0	7.4	15.0	0.8	HCL21/2E105-61****
0.047	10.5	7.3	3.9	7.5	0.6	HCL21/2E473-31****	1.2	17.5	13.6	8.0	15.0	0.8	HCL21/2E125-61****
0.056	10.5	7.6	4.2	7.5	0.6	HCL21/2E563-31****	1.5	17.5	15.5	8.3	15.0	0.8	HCL21/2E155-61****
0.068	10.5	7.5	4.1	7.5	0.6	HCL21/2E683-31****	1.8	17.5	16.3	9.1	15.0	0.8	HCL21/2E185-61****
0.082	10.5	7.8	4.4	7.5	0.6	HCL21/2E823-31****	2.2	25.2	15.1	7.9	22.5	0.8	HCL21/2E225-91****
0.10	10.5	8.5	4.5	7.5	0.6	HCL21/2E104-31****	2.7	25.2	16.0	8.8	22.5	0.8	HCL21/2E275-91****
0.12	10.5	8.9	4.8	7.5	0.6	HCL21/2E124-31****	3.3	25.2	16.9	9.7	22.5	0.8	HCL21/2E335-91****
0.15	10.5	9.3	5.3	7.5	0.6	HCL21/2E154-31****	3.9	25.2	18.7	10.0	22.5	0.8	HCL21/2E395-91****
0.18	10.5	9.7	5.7	7.5	0.6	HCL21/2E184-31****	4.7	25.2	19.8	11.0	22.5	0.8	HCL21/2E475-91****
0.22	12.5	9.4	5.4	10.0	0.6	HCL21/2E224-41****	5.6	30.2	19.4	10.7	27.5	0.8	HCL21/2E565-B1****
0.27	12.5	9.9	5.8	10.0	0.6	HCL21/2E274-41****	6.8	30.2	20.6	11.8	27.5	0.8	HCL21/2E685-B1****
0.33	12.5	10.9	6.0	10.0	0.6	HCL21/2E334-41****	8.2	30.2	21.9	13.1	27.5	0.8	HCL21/2E825-B1****
0.39	17.5	9.9	5.1	15.0	0.6	HCL21/2E394-61****	10.0	30.2	23.4	14.6	27.5	0.8	HCL21/2E106-B1****
0.47	17.5	10.3	5.5	15.0	0.6	HCL21/2E474-61****							

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%;
(2) "****"=terminal code and packaging code (see table 1) .

Outline Dimensions

Ⅰ type(Small size)

400Vd.c.(200Va.c.)													
CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information	CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information
0.022	10.5	10.5	4.2	7.5	0.6	HCL21/2G223-31****	0.39	17.5	12.3	6.7	15.0	0.6	HCL21/2G394-61****
0.027	10.5	10.5	4.0	7.5	0.6	HCL21/2G273-31****	0.47	17.5	12.9	7.3	15.0	0.8	HCL21/2G474-61****
0.033	10.5	10.5	3.9	7.5	0.6	HCL21/2G333-31****	0.56	17.5	13.5	7.9	15.0	0.8	HCL21/2G564-61****
0.039	10.5	10.5	4.1	7.5	0.6	HCL21/2G393-31****	0.68	17.5	14.3	8.7	15.0	0.8	HCL21/2G684-61****
0.047	10.5	10.5	4.1	7.5	0.6	HCL21/2G473-31****	0.82	17.5	15.1	9.5	15.0	0.8	HCL21/2G824-61****
0.056	10.5	10.5	4.4	7.5	0.6	HCL21/2G563-31****	1.0	25.2	15.9	7.2	22.5	0.8	HCL21/2G105-91****
0.068	12.5	12.5	4.2	10.0	0.6	HCL21/2G683-41****	1.2	25.2	16.6	7.9	22.5	0.8	HCL21/2G125-91****
0.082	12.5	12.5	4.5	10.0	0.6	HCL21/2G823-41****	1.5	25.2	17.6	8.8	22.5	0.8	HCL21/2G155-91****
0.10	12.5	12.5	4.8	10.0	0.6	HCL21/2G104-41****	1.8	30.2	17.3	8.6	27.5	0.8	HCL21/2G185-B1****
0.12	12.5	12.5	5.2	10.0	0.6	HCL21/2G124-41****	2.2	30.2	19.3	9.0	27.5	0.8	HCL21/2G225-B1****
0.15	17.5	17.5	4.7	15.0	0.6	HCL21/2G154-61****	2.7	30.2	20.4	10.0	27.5	0.8	HCL21/2G275-B1****
0.18	17.5	17.5	5.0	15.0	0.6	HCL21/2G184-61****	3.3	30.2	21.5	11.2	27.5	0.8	HCL21/2G335-B1****
0.22	17.5	17.5	5.5	15.0	0.6	HCL21/2G224-61****	3.5	30.2	21.9	11.6	27.5	0.8	HCL21/2G355-B1****
0.27	17.5	17.5	6.0	15.0	0.6	HCL21/2G274-61****	3.9	30.2	22.6	12.3	27.5	0.8	HCL21/2G395-B1****
0.33	17.5	17.5	6.2	15.0	0.6	HCL21/2G334-61****	4.7	30.2	24.0	13.7	27.5	0.8	HCL21/2G475-B1****
630Vd.c.(220Va.c.)													
CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information	CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information
0.01	10.5	7.6	4.2	7.5	0.6	HCL21/2J103-31****	0.1	17.5	10.6	5.2	15.0	0.6	HCL21/2J104-61****
0.012	10.5	7.5	4.1	7.5	0.6	HCL21/2J123-31****	0.12	17.5	11.0	5.5	15.0	0.6	HCL21/2J124-61****
0.015	10.5	7.4	3.9	7.5	0.6	HCL21/2J153-31****	0.15	17.5	11.6	6.0	15.0	0.6	HCL21/2J154-61****
0.018	10.5	8.0	4.0	7.5	0.6	HCL21/2J183-31****	0.18	17.5	12.1	6.4	15.0	0.6	HCL21/2J184-61****
0.022	10.5	8.3	4.2	7.5	0.6	HCL21/2J223-31****	0.22	17.5	12.6	7.0	15.0	0.6	HCL21/2J224-61****
0.027	10.5	8.6	4.5	7.5	0.6	HCL21/2J273-31****	0.27	17.5	13.2	7.6	15.0	0.8	HCL21/2J274-61****
0.033	12.5	8.4	4.3	10.0	0.6	HCL21/2J333-41****	0.33	17.5	13.9	8.3	15.0	0.8	HCL21/2J334-61****
0.039	12.5	8.6	4.6	10.0	0.6	HCL21/2J393-41****	0.39	17.5	14.5	8.9	15.0	0.8	HCL21/2J394-61****
0.047	12.5	8.9	4.9	10.0	0.6	HCL21/2J473-41****	0.47	25.2	15.7	8.5	22.5	0.8	HCL21/2J474-91****
0.056	12.5	9.2	5.2	10.0	0.6	HCL21/2J563-41****	0.56	25.2	16.4	9.2	22.5	0.8	HCL21/2J564-91****
0.068	12.5	9.6	5.6	10.0	0.6	HCL21/2J683-41****	0.68	25.2	17.3	10.1	22.5	0.8	HCL21/2J684-91****
0.082	12.5	10.3	6.2	10.0	0.6	HCL21/2J823-41****	0.82	25.2	18.2	11.1	22.5	0.8	HCL21/2J824-91****

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%;
(2) "****"=terminal code and packaging code (see table 1) .

Outline Dimensions

I type(Small size)

630Vd.c.(220Va.c.)													
CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information	CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information
1.0	30.2	18.9	10.2	27.5	0.8	HCL21/2J105-B1****	1.8	30.2	22.4	13.7	27.5	0.8	HCL21/2J185-B1****
1.2	30.2	19.9	11.1	27.5	0.8	HCL21/2J125-B1****	2.2	30.2	23.9	15.2	27.5	0.8	HCL21/2J225-B1****
1.5	30.2	21.2	12.5	27.5	0.8	HCL21/2J155-B1****							

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%;
(2) "****"=terminal code and packaging code (see table 1) .

Stantdard Size

50Vd.c.(30Va.c.)/63Vd.c.(40Va.c.)													
CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information	CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information
0.047	7.5	7.6	4.3	5.0	0.6	HCL21/1H473-20****	0.47	12.5	7.6	4.3	10.0	0.6	HCL21/1H474-40****
0.056	7.5	8.3	4.3	5.0	0.6	HCL21/1H563-20****	0.56	12.5	8.3	4.4	10.0	0.6	HCL21/1H564-40****
0.068	7.5	8.6	4.6	5.0	0.6	HCL21/1H683-20****	0.68	12.5	8.7	4.7	10.0	0.6	HCL21/1H684-40****
0.082	7.5	8.1	4.1	5.0	0.6	HCL21/1H823-20****	0.82	12.5	9.0	5.1	10.0	0.6	HCL21/1H824-40****
0.1	7.5	8.4	4.4	5.0	0.6	HCL21/1H104-20****	1.0	12.5	9.9	5.2	10.0	0.6	HCL21/1H105-40****
0.12	7.5	8.7	4.7	5.0	0.6	HCL21/1H124-20****	1.2	12.5	10.4	5.6	10.0	0.6	HCL21/1H125-40****
0.15	7.5	8.4	4.5	5.0	0.6	HCL21/1H154-20****	1.5	12.5	11.0	6.2	10.0	0.6	HCL21/1H155-40****
0.18	7.5	8.7	4.8	5.0	0.6	HCL21/1H184-20****	1.8	12.5	11.5	6.8	10.0	0.6	HCL21/1H185-40****
0.1	10.5	7.5	4.1	7.5	0.6	HCL21/1H104-30****	1.0	17.5	9.3	4.3	15.0	0.6	HCL21/1H105-60****
0.12	10.5	7.7	4.4	7.5	0.6	HCL21/1H124-30****	1.2	17.5	9.6	4.6	15.0	0.6	HCL21/1H125-60****
0.15	10.5	8.5	4.5	7.5	0.6	HCL21/1H154-30****	1.5	17.5	10.5	4.8	15.0	0.6	HCL21/1H155-60****
0.18	10.5	7.9	4.6	7.5	0.6	HCL21/1H184-30****	1.8	17.5	10.9	5.2	15.0	0.6	HCL21/1H185-60****
0.22	10.5	8.7	4.7	7.5	0.6	HCL21/1H224-30****	2.2	17.5	11.1	5.6	15.0	0.6	HCL21/1H225-60****
0.27	10.5	9.1	5.1	7.5	0.6	HCL21/1H274-30****	2.7	17.5	11.8	6.2	15.0	0.6	HCL21/1H275-60****
0.33	10.5	7.5	4.2	7.5	0.6	HCL21/1H334-30****	3.3	17.5	12.4	6.8	15.0	0.6	HCL21/1H335-60****
0.39	10.5	8.2	4.3	7.5	0.6	HCL21/1H394-30****	3.9	17.5	13.0	7.4	15.0	0.8	HCL21/1H395-60****
0.47	10.5	8.5	4.6	7.5	0.6	HCL21/1H474-30****	4.7	17.5	14.0	8.0	15.0	0.8	HCL21/1H475-60****
0.56	10.5	8.8	4.9	7.5	0.6	HCL21/1H564-30****	5.6	17.5	14.5	8.8	15.0	0.8	HCL21/1H565-60****
0.68	10.5	9.7	5.0	7.5	0.6	HCL21/1H684-30****	6.8	17.5	15.4	9.7	15.0	0.8	HCL21/1H685-60****

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%;
(2) "****"=terminal code and packaging code (see table 1);
(3) When the rated voltage is 63V,the digit 7~8 is 1J.

Outline Dimensions

Stantdard Size

50Vd.c.(30Va.c.)/63Vd.c.(40Va.c.)													
CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information	CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information
0.82	10.5	10.1	5.4	7.5	0.6	HCL21/1H824-30****	4.7	25.2	13.5	6.1	22.5	0.8	HCL21/1H475-90****
1.0	10.5	11.1	5.6	7.5	0.6	HCL21/1H105-30****	5.6	25.2	14.9	6.2	22.5	0.8	HCL21/1H565-90****
1.2	10.5	11.6	6.1	7.5	0.6	HCL21/1H125-30****	6.8	25.2	14.5	7.3	22.5	0.8	HCL21/1H685-90****
1.5	10.5	12.5	6.8	7.5	0.6	HCL21/1H155-30****	8.2	25.2	15.4	8.2	22.5	0.8	HCL21/1H825-90****
3.3	25.2	12.2	5.0	22.5	0.6	HCL21/1H335-90****	10.0	25.2	16.2	9.0	22.5	0.8	HCL21/1H106-90****
3.9	25.2	12.6	5.4	22.5	0.6	HCL21/1H395-60****							

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%;
(2) "****"=terminal code and packaging code (see table 1);
(3) When the rated voltage is 63V,the digit 7~8 is 1J.

100Vd.c.(63Va.c.)													
CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information	CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information
0.1	10.5	7.5	4.1	7.5	0.6	HCL21/2A104-30****	1.5	12.5	12.4	7.7	10.0	0.6	HCL21/2A155-40****
0.12	10.5	7.7	4.4	7.5	0.6	HCL21/2A124-30****	1.0	17.5	9.8	5.1	15.0	0.6	HCL21/2A105-60****
0.15	10.5	8.5	4.5	7.5	0.6	HCL21/2A154-30****	1.2	17.5	10.2	5.5	15.0	0.6	HCL21/2A125-60****
0.18	10.5	7.9	4.6	7.5	0.6	HCL21/2A184-30****	1.5	17.5	11.3	5.8	15.0	0.6	HCL21/2A155-60****
0.22	10.5	8.7	4.7	7.5	0.6	HCL21/2A224-30****	1.8	17.5	13.1	5.9	15.0	0.6	HCL21/2A185-60****
0.27	10.5	9.1	5.1	7.5	0.6	HCL21/2A274-30****	2.2	17.5	13.7	6.4	15.0	0.8	HCL21/2A225-60****
0.33	10.5	8.7	4.8	7.5	0.6	HCL21/2A334-30****	2.7	17.5	14.4	7.1	15.0	0.8	HCL21/2A275-60****
0.39	10.5	9.0	5.1	7.5	0.6	HCL21/2A394-30****	3.3	17.5	15.1	7.9	15.0	0.8	HCL21/2A335-60****
0.47	10.5	9.4	5.5	7.5	0.6	HCL21/2A474-30****	3.9	17.5	15.8	8.6	15.0	0.8	HCL21/2A395-60****
0.56	10.5	9.8	5.9	7.5	0.6	HCL21/2A564-30****	4.7	17.5	16.8	9.4	15.0	0.8	HCL21/2A475-60****
0.68	10.5	10.8	6.1	7.5	0.6	HCL21/2A684-30****	2.2	25.2	12.7	5.4	22.5	0.6	HCL21/2A225-90****
0.33	12.5	8.2	4.3	10.0	0.6	HCL21/2A334-40****	2.7	25.2	13.3	5.9	22.5	0.6	HCL21/2A275-90****
0.39	12.5	8.5	4.6	10.0	0.6	HCL21/2A394-40****	3.3	25.2	15.0	6.0	22.5	0.6	HCL21/2A335-90****
0.47	12.5	8.8	4.9	10.0	0.6	HCL21/2A474-40****	3.9	25.2	15.5	6.5	22.5	0.8	HCL21/2A395-90****
0.56	12.5	9.2	5.3	10.0	0.6	HCL21/2A564-40****	4.7	25.2	16.1	7.2	22.5	0.8	HCL21/2A475-90****
0.68	12.5	9.6	5.7	10.0	0.6	HCL21/2A684-40****	5.6	25.2	16.9	7.9	22.5	0.8	HCL21/2A565-90****
0.82	12.5	10.1	6.2	10.0	0.6	HCL21/2A824-40****	6.8	25.2	17.7	9.0	22.5	0.8	HCL21/2A685-90****
1.0	12.5	10.7	6.7	10.0	0.6	HCL21/2A105-40****	8.2	25.2	18.6	9.9	22.5	0.8	HCL21/2A825-90****
1.2	12.5	11.7	6.9	10.0	0.6	HCL21/2A125-40****	10.0	25.2	19.7	11.0	22.5	0.8	HCL21/2A106-90****

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%;
(2) "****"=terminal code and packaging code (see table 1) .

Outline Dimensions

Standard Size

250Vd.c.(160Va.c.)													
CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information	CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information
0.01	10.5	7.3	4.0	7.5	0.6	HCL21/2E103-30****	0.56	17.5	12.0	6.3	15.0	0.6	HCL21/2E564-60****
0.012	10.5	7.5	4.2	7.5	0.6	HCL21/2E123-30****	0.68	17.5	13.6	6.3	15.0	0.6	HCL21/2E684-60****
0.015	10.5	8.2	4.3	7.5	0.6	HCL21/2E153-30****	0.82	17.5	14.2	6.9	15.0	0.6	HCL21/2E824-60****
0.018	10.5	7.6	4.3	7.5	0.6	HCL21/2E183-30****	1.0	17.5	14.9	7.6	15.0	0.8	HCL21/2E105-60****
0.022	10.5	8.3	4.3	7.5	0.6	HCL21/2E223-30****	1.2	17.5	15.7	8.3	15.0	0.8	HCL21/2E125-60****
0.027	10.5	7.6	4.3	7.5	0.6	HCL21/2E273-30****	1.5	17.5	16.7	9.3	15.0	0.8	HCL21/2E155-60****
0.033	10.5	8.3	4.4	7.5	0.6	HCL21/2E333-30****	1.8	17.5	17.6	10.3	15.0	0.8	HCL21/2E185-60****
0.039	10.5	7.5	4.2	7.5	0.6	HCL21/2E393-30****	0.68	25.2	12.2	5.1	22.5	0.6	HCL21/2E684-90****
0.047	10.5	8.2	4.2	7.5	0.6	HCL21/2E473-30****	0.82	25.2	12.6	5.5	22.5	0.6	HCL21/2E824-90****
0.056	10.5	8.4	4.5	7.5	0.6	HCL21/2E563-30****	1.0	25.2	13.1	6.1	22.5	0.8	HCL21/2E105-90****
0.068	10.5	8.3	4.3	7.5	0.6	HCL21/2E683-30****	1.2	25.2	13.9	6.6	22.5	0.8	HCL21/2E125-90****
0.082	10.5	8.6	4.6	7.5	0.6	HCL21/2E823-30****	1.5	25.2	14.6	7.3	22.5	0.8	HCL21/2E155-90****
0.1	10.5	8.9	5.0	7.5	0.6	HCL21/2E104-30****	1.8	25.2	15.4	8.0	22.5	0.8	HCL21/2E185-90****
0.12	10.5	9.3	5.3	7.5	0.6	HCL21/2E124-30****	2.2	25.2	16.2	8.9	22.5	0.8	HCL21/2E225-90****
0.15	10.5	9.8	5.8	7.5	0.6	HCL21/2E154-30****	2.7	25.2	17.2	9.9	22.5	0.8	HCL21/2E275-90****
0.18	12.5	9.9	5.2	10.0	0.6	HCL21/2E184-40****	3.3	25.2	18.3	10.9	22.5	0.8	HCL21/2E335-90****
0.22	12.5	10.4	5.7	10.0	0.6	HCL21/2E224-40****	3.9	25.2	20.2	11.3	22.5	0.8	HCL21/2E395-90****
0.27	12.5	10.9	6.2	10.0	0.6	HCL21/2E274-40****	4.7	25.2	21.6	12.6	22.5	0.8	HCL21/2E475-90****
0.33	12.5	12.0	6.4	10.0	0.6	HCL21/2E334-40****	5.6	30.2	21.2	12.1	27.5	0.8	HCL21/2E565-B0****
0.39	12.5	12.5	7.0	10.0	0.6	HCL21/2E394-40****	6.8	30.2	22.5	13.4	27.5	0.8	HCL21/2E685-B0****
0.33	17.5	10.5	5.0	15.0	0.6	HCL21/2E334-60****	8.2	30.2	23.9	14.9	27.5	0.8	HCL21/2E825-B0****
0.39	17.5	10.9	5.4	15.0	0.6	HCL21/2E394-60****	10.0	30.2	25.6	16.5	27.5	0.8	HCL21/2E106-B0****
0.47	17.5	11.3	5.8	15.0	0.6	HCL21/2E474-60****							

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%;
(2) "****"=terminal code and packaging code (see table 1) .

Outline Dimensions

Standard Size

400/450Vd.c.(200Va.c.)													
CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information	CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information
0.01	10.5	7.3	4.0	7.5	0.6	HCL21/2G103-30****	0.27	17.5	11.9	6.3	15.0	0.6	HCL21/2G274-60****
0.012	10.5	7.5	4.2	7.5	0.6	HCL21/2G123-30****	0.33	17.5	12.5	6.9	15.0	0.6	HCL21/2G334-60****
0.015	10.5	8.2	4.3	7.5	0.6	HCL21/2G153-30****	0.39	17.5	13.1	7.4	15.0	0.8	HCL21/2G394-60****
0.018	10.5	7.6	4.3	7.5	0.6	HCL21/2G183-30****	0.47	17.5	13.9	8.3	15.0	0.8	HCL21/2G474-60****
0.022	10.5	8.3	4.3	7.5	0.6	HCL21/2G223-30****	0.56	17.5	14.6	9.0	15.0	0.8	HCL21/2G564-60****
0.027	10.5	7.6	4.3	7.5	0.6	HCL21/2G273-30****	0.68	17.5	15.5	9.8	15.0	0.8	HCL21/2G684-60****
0.033	10.5	8.3	4.4	7.5	0.6	HCL21/2G333-30****	0.82	17.5	16.3	10.7	15.0	0.8	HCL21/2G824-60****
0.039	10.5	8.5	4.6	7.5	0.6	HCL21/2G393-30****	1.0	17.5	19.2	10.5	15.0	0.8	HCL21/2G105-60****
0.047	10.5	8.9	4.9	7.5	0.6	HCL21/2G473-30****	0.33	25.2	12.2	5.1	22.5	0.6	HCL21/2G334-90****
0.027	12.5	8.1	4.2	10.0	0.6	HCL21/2G273-40****	0.39	25.2	12.5	5.4	22.5	0.6	HCL21/2G394-90****
0.033	12.5	8.4	4.4	10.0	0.6	HCL21/2G333-40****	0.47	25.2	13.2	5.9	22.5	0.6	HCL21/2G474-90****
0.039	12.5	8.1	4.1	10.0	0.6	HCL21/2G393-40****	0.56	25.2	13.7	6.4	22.5	0.8	HCL21/2G564-90****
0.047	12.5	8.3	4.4	10.0	0.6	HCL21/2G473-40****	0.68	25.2	14.3	7.0	22.5	0.8	HCL21/2G684-90****
0.056	12.5	9.2	4.4	10.0	0.6	HCL21/2G563-40****	0.82	25.2	14.9	7.6	22.5	0.8	HCL21/2G824-90****
0.068	12.5	9.5	4.7	10.0	0.6	HCL21/2G683-40****	1.0	25.2	16.0	8.6	22.5	0.8	HCL21/2G105-90****
0.082	12.5	9.8	5.1	10.0	0.6	HCL21/2G823-40****	1.2	25.2	17.8	9.0	22.5	0.8	HCL21/2G125-90****
0.1	12.5	10.2	5.5	10.0	0.6	HCL21/2G104-40****	1.5	25.2	18.8	10.1	22.5	0.8	HCL21/2G155-90****
0.12	12.5	10.6	5.9	10.0	0.6	HCL21/2G124-40****	1.0	30.2	15.9	7.1	27.5	0.8	HCL21/2G105-B0****
0.15	12.5	11.7	6.2	10.0	0.6	HCL21/2G154-40****	1.2	30.2	15.5	8.3	27.5	0.8	HCL21/2G125-B0****
0.18	12.5	12.2	6.7	10.0	0.6	HCL21/2G184-40****	1.5	30.2	16.5	9.2	27.5	0.8	HCL21/2G155-B0****
0.22	12.5	13.0	7.3	10.0	0.6	HCL21/2G224-40****	1.8	30.2	18.5	9.8	27.5	0.8	HCL21/2G185-B0****
0.1	17.5	9.3	4.4	15.0	0.6	HCL21/2G104-60****	2.2	30.2	19.6	10.6	27.5	0.8	HCL21/2G225-B0****
0.12	17.5	9.6	4.7	15.0	0.6	HCL21/2G124-60****	2.7	30.2	21.9	11.7	27.5	0.8	HCL21/2G275-B0****
0.15	17.5	9.8	5.1	15.0	0.6	HCL21/2G154-60****	3.3	30.2	23.2	13.0	27.5	0.8	HCL21/2G335-B0****
0.18	17.5	10.2	5.5	15.0	0.6	HCL21/2G184-60****	3.9	30.2	24.4	14.2	27.5	0.8	HCL21/2G395-B0****
0.22	17.5	11.4	5.8	15.0	0.6	HCL21/2G224-60****							

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%;
(2) "****"=terminal code and packaging code (see table 1);
(3) When the rated voltage is 450V,the digit 7~8 is 2S.

Outline Dimensions

Standard Size

630Vd.c.(220Va.c.)													
CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information	CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information
0.012	10.5	8.0	4.1	7.5	0.6	HCL21/2J123-30****	0.1	17.5	10.7	5.7	15.0	0.6	HCL21/2J104-60****
0.015	10.5	8.3	4.3	7.5	0.6	HCL21/2J153-30****	0.12	17.5	11.1	6.2	15.0	0.6	HCL21/2J124-60****
0.018	10.5	8.5	4.6	7.5	0.6	HCL21/2J183-30****	0.15	17.5	12.2	6.6	15.0	0.6	HCL21/2J154-60****
0.022	10.5	8.8	4.9	7.5	0.6	HCL21/2J223-30****	0.18	17.5	12.9	7.3	15.0	0.6	HCL21/2J184-60****
0.027	10.5	9.4	5.2	7.5	0.6	HCL21/2J273-30****	0.22	17.5	13.5	8.2	15.0	0.8	HCL21/2J224-60****
0.033	10.5	9.8	5.6	7.5	0.6	HCL21/2J333-30****	0.27	17.5	15.2	8.3	15.0	0.8	HCL21/2J274-60****
0.01	12.5	7.3	4.0	10.0	0.6	HCL21/2J103-40****	0.33	17.5	16.0	9.1	15.0	0.8	HCL21/2J334-60****
0.012	12.5	7.5	4.2	10.0	0.6	HCL21/2J123-40****	0.39	17.5	16.7	9.8	15.0	0.8	HCL21/2J394-60****
0.015	12.5	8.2	4.2	10.0	0.6	HCL21/2J153-40****	0.15	25.2	11.2	5.4	22.5	0.6	HCL21/2J154-90****
0.018	12.5	8.0	4.1	10.0	0.6	HCL21/2J183-40****	0.18	25.2	11.6	5.8	22.5	0.6	HCL21/2J184-90****
0.022	12.5	8.3	4.3	10.0	0.6	HCL21/2J223-40****	0.22	25.2	12.1	6.2	22.5	0.6	HCL21/2J224-90****
0.027	12.5	8.5	4.6	10.0	0.6	HCL21/2J273-40****	0.27	25.2	12.6	6.8	22.5	0.8	HCL21/2J274-90****
0.033	12.5	8.9	4.9	10.0	0.6	HCL21/2J333-40****	0.33	25.2	14.3	6.9	22.5	0.8	HCL21/2J334-90****
0.039	12.5	9.1	5.2	10.0	0.6	HCL21/2J393-40****	0.39	25.2	14.8	7.4	22.5	0.8	HCL21/2J394-90****
0.047	12.5	9.5	5.6	10.0	0.6	HCL21/2J473-40****	0.47	25.2	15.9	10.0	22.5	0.8	HCL21/2J474-90****
0.056	12.5	10.1	6.0	10.0	0.6	HCL21/2J563-40****	0.56	25.2	16.7	10.9	22.5	0.8	HCL21/2J564-90****
0.068	12.5	10.5	6.5	10.0	0.6	HCL21/2J683-40****	0.68	25.2	18.6	11.4	22.5	0.8	HCL21/2J684-90****
0.082	12.5	11.5	6.7	10.0	0.6	HCL21/2J823-40****	0.82	25.2	19.7	12.5	22.5	0.8	HCL21/2J824-90****
0.1	12.5	12.2	7.3	10.0	0.6	HCL21/2J104-40****	1.0	30.2	20.3	11.5	27.5	0.8	HCL21/2J105-B0****
0.047	17.5	8.5	4.6	15.0	0.6	HCL21/2J473-60****	1.2	30.2	21.4	12.7	27.5	0.8	HCL21/2J125-B0****
0.056	17.5	9.3	4.6	15.0	0.6	HCL21/2J563-60****	1.5	30.2	22.9	14.2	27.5	0.8	HCL21/2J155-B0****
0.068	17.5	9.6	4.9	15.0	0.6	HCL21/2J683-60****	1.8	30.2	24.3	15.6	27.5	0.8	HCL21/2J185-B0****
0.082	17.5	10.0	5.2	15.0	0.6	HCL21/2J823-60****	2.2	30.2	26.0	17.3	27.5	0.8	HCL21/2J225-B0****

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%;
(2) "****"=terminal code and packaging code (see table 1) .

Outline Dimensions

Standard Size

1000Vd.c.(250Va.c.)													
CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information	CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information
0.001	10.5	7.5	4.1	7.5	0.6	HCL21/3A102-30****	0.027	17.5	11.2	5.4	15.0	0.6	HCL21/3A273-60****
0.0012	10.5	8.2	4.2	7.5	0.6	HCL21/3A122-30****	0.033	17.5	12.7	5.4	15.0	0.6	HCL21/3A333-60****
0.0015	10.5	8.5	4.5	7.5	0.6	HCL21/3A152-30****	0.039	17.5	13.2	5.8	15.0	0.6	HCL21/3A393-60****
0.0018	10.5	9.3	4.5	7.5	0.6	HCL21/3A182-30****	0.047	17.5	13.7	6.4	15.0	0.8	HCL21/3A473-60****
0.0022	10.5	8.3	4.2	7.5	0.6	HCL21/3A222-30****	0.056	17.5	14.3	7.0	15.0	0.8	HCL21/3A563-60****
0.0027	10.5	8.6	4.6	7.5	0.6	HCL21/3A272-30****	0.068	17.5	14.9	7.7	15.0	0.8	HCL21/3A683-60****
0.0033	10.5	9.5	4.7	7.5	0.6	HCL21/3A332-30****	0.082	17.5	15.7	8.5	15.0	0.8	HCL21/3A823-60****
0.0039	10.5	9.2	4.4	7.5	0.6	HCL21/3A392-30****	0.1	17.5	16.8	9.4	15.0	0.8	HCL21/3A104-60****
0.0047	10.5	9.6	4.7	7.5	0.6	HCL21/3A472-30****	0.12	25.2	15.2	7.8	22.5	0.8	HCL21/3A124-90****
0.0056	12.5	8.3	4.3	10.0	0.6	HCL21/3A562-40****	0.15	25.2	16.1	8.7	22.5	0.8	HCL21/3A154-90****
0.0068	12.5	9.2	4.4	10.0	0.6	HCL21/3A682-40****	0.18	25.2	17.0	9.6	22.5	0.8	HCL21/3A184-90****
0.0082	12.5	9.5	4.7	10.0	0.6	HCL21/3A822-40****	0.22	25.2	18.0	10.6	22.5	0.8	HCL21/3A224-90****
0.01	12.5	9.9	5.1	10.0	0.6	HCL21/3A103-40****	0.27	25.2	19.2	11.8	22.5	0.8	HCL21/3A274-90****
0.012	12.5	10.3	5.5	10.0	0.6	HCL21/3A123-40****	0.33	30.2	20.7	11.6	27.5	0.8	HCL21/3A334-B0****
0.015	12.5	10.8	6.0	10.0	0.6	HCL21/3A153-40****	0.39	30.2	21.8	12.8	27.5	0.8	HCL21/3A394-B0****
0.018	12.5	11.3	6.5	10.0	0.6	HCL21/3A183-40****	0.47	30.2	24.2	13.7	27.5	0.8	HCL21/3A474-B0****
0.022	12.5	12.2	7.2	10.0	0.6	HCL21/3A223-40****	0.56	30.2	25.6	15.0	27.5	0.8	HCL21/3A564-B0****
1250Vd.c.(250Va.c.)													
CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information	CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information
0.001	10.5	7.5	4.1	7.5	0.6	HCL21/3B102-30****	0.0068	12.5	9.7	4.9	10.0	0.6	HCL21/3B682-40****
0.0012	10.5	8.2	4.2	7.5	0.6	HCL21/3B122-30****	0.0082	17.5	8.3	4.2	15.0	0.6	HCL21/3B822-60****
0.0015	10.5	8.5	4.5	7.5	0.6	HCL21/3B152-30****	0.01	17.5	8.6	4.5	15.0	0.6	HCL21/3B103-60****
0.0018	10.5	9.3	4.5	7.5	0.6	HCL21/3B182-30****	0.012	17.5	8.9	4.8	15.0	0.6	HCL21/3B123-60****
0.0022	10.5	8.3	4.2	7.5	0.6	HCL21/3B222-30****	0.015	17.5	9.8	5.0	15.0	0.6	HCL21/3B153-60****
0.0027	10.5	8.6	4.6	7.5	0.6	HCL21/3B272-30****	0.018	17.5	10.2	5.4	15.0	0.6	HCL21/3B183-60****
0.0033	10.5	9.0	4.9	7.5	0.6	HCL21/3B332-30****	0.022	17.5	10.9	5.9	15.0	0.6	HCL21/3B223-60****
0.0039	10.5	9.3	5.2	7.5	0.6	HCL21/3B392-30****	0.027	17.5	11.4	6.5	15.0	0.6	HCL21/3B273-60****
0.0047	10.5	9.7	5.6	7.5	0.6	HCL21/3B472-30****	0.033	17.5	12.5	6.8	15.0	0.8	HCL21/3B333-60****
0.0056	12.5	8.8	4.8	10.0	0.6	HCL21/3B562-40****	0.039	17.5	13.0	7.3	15.0	0.8	HCL21/3B393-60****

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%;
(2) "****"=terminal code and packaging code (see table 1) .

Outline Dimensions

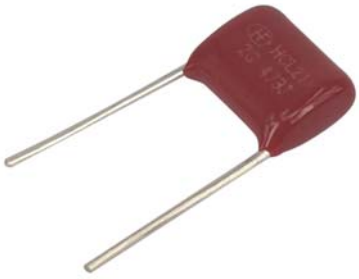
Standard Size

1250Vd.c.(250Va.c.)													
C_R (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information	C_R (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information
0.022	25.2	9.7	4.8	22.5	0.6	HCL21/3B223-90****	0.056	30.2	12.1	6.3	27.5	0.8	HCL21/3B563-B0****
0.027	25.2	10.1	5.2	22.5	0.6	HCL21/3B273-90****	0.068	30.2	12.7	6.8	27.5	0.8	HCL21/3B683-B0****
0.033	25.2	10.5	5.6	22.5	0.6	HCL21/3B333-90****	0.082	30.2	13.4	7.6	27.5	0.8	HCL21/3B823-B0****
0.039	25.2	10.9	6.0	22.5	0.6	HCL21/3B393-90****	0.1	30.2	15.1	7.8	27.5	0.8	HCL21/3B104-B0****
0.047	25.2	11.4	6.5	22.5	0.8	HCL21/3B473-90****	0.12	30.2	15.8	8.5	27.5	0.8	HCL21/3B124-B0****
0.056	25.2	12.4	6.7	22.5	0.8	HCL21/3B563-90****	0.15	30.2	16.8	9.5	27.5	0.8	HCL21/3B154-B0****
0.068	25.2	13.0	7.3	22.5	0.8	HCL21/3B683-90****	0.18	30.2	18.7	9.8	27.5	0.8	HCL21/3B184-B0****
0.082	25.2	13.8	8.0	22.5	0.8	HCL21/3B823-90****	0.22	30.2	19.9	10.9	27.5	0.8	HCL21/3B224-B0****

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%;
(2) "****"=terminal code and packaging code (see table 1) .

HCL21X

Metallized polyester film capacitor（Dipped）



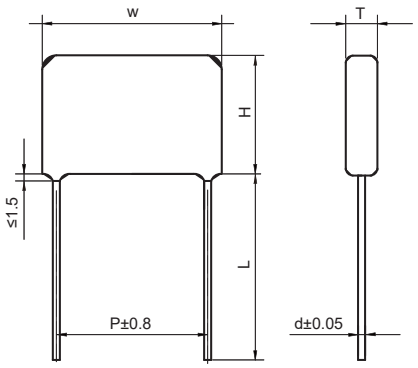
Features

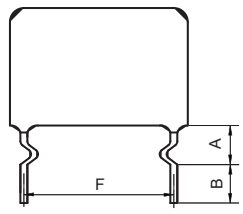
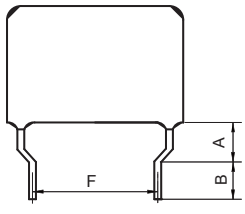
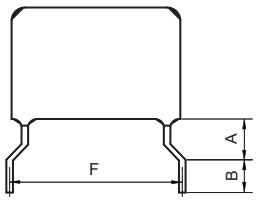
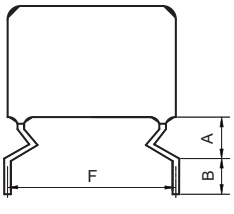
- Metallized polyester film,non-inductive wound construction
- Tin-coated copper-clad steel wire lead
- Small size and excellent self-healing property
- Flame retardation epoxy resin coating(UL94/V-0)

Typical Applications

- As intermediate circuit capacitors for SMPS, electronic ballast, inverter(i.e. DC-link,DC-filter and P.F.C.)

Outline Drawing



Forming lead shapes			
I	II	III	IV
			
P≥F		P<F	
0mm≤P-F≤3mm	3mm<P-F≤8mm	3mm<F-P≤5mm	0mm<F-P≤3mm
F±0.8mm;A≤4.5mm;B=4.0±0.5mm			

Specifications

Reference standard	GB/T7 332 (IEC 60384-2)			
Climatic category	55/105/21			
Operating temperature range	-55℃~+105℃(+85℃~+105℃: decreasing factor 1.25% per℃ for U_R)			
Rated temperature	85℃			
Rated voltage	250Vd.c.,400Vd.c.,450Vd.c.,520Vd.c.,630Vd.c.			
Capacitance range	0.01μF~8.2μF			
Capacitance tolerance	±5%(J),±10%(K)			
Voltage proof	1.6U_R (5s)			
Dissipation factor	≤0.8%(1kHz,20℃)			
Insulation resistance	≥30 000MΩ,C_N≤0.33μF ≥5 000s,C_N>0.33μF			(20℃,100Vd.c,1min)
Max. Pulse Rise Time: If the working voltage(U) is lower than the rated voltage (U_R), the capacitor can be worked at high dV/dt condition. In this case, the maximum allowed dV/dt is obtained by multiplying the right value with U_R/U.	U_R(V)	dV/dt(V/μs)		
		P=7.5mm	P=10.0mm	P=15.0mm	P=22.5mm
	250	80	60	50	30
	400/450	150	120	100	50
	520	200	180	150	80
	630	350	300	200	100

Ordering Information

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
H	C	L	2	1	X	/													(	×	×	×	)

Series code

DC rated voltage

- 2E=250V
- 2G=400V
- 2S=450V
- 2T=520V
- 2J=630V

Rated capacitance value

For example:
104=10×10⁴ pF
=0.1μF

Capacitance tolerance

J=±5%
K=±10%

Pitch

- 3=7.5mm
- 4=10mm
- 6=15mm
- 9=22.5mm

Internal code

0=Standard part

lead form and packaging code

See table 1

Internal code

To identifiy when the special requirements needed

Table 1 : Terminal Code and Packing Code

Digit 16		Digit 17		Digit 18		Digit 19	
Code	explanation	Code	explanation	Code	explanation	Code	explanation
A	ammo-pack	2 3 4 6	F=5.0mm F=7.5mm F=10.0mm F=15.0mm	0	straight	1	Between two consecutive mounting holes P3=12.7mm,H=18.0mm (Pitch=5.0/7.5mm)
						5	P3=25.4mm;H=18.0mm (pitch=10.0/15.0mm)
				1	crimped	A	Between two consecutive mounting holes P3=12.7mm,H=20.0mm (Pitch=5.0/7.5mm)
						E	P3=25.4mm;H=20.0mm (pitch=10.0/15.0mm)
F	crimped lead	2 3 4 6	F=5.0mm F=7.5mm F=10.0mm F=15.0mm	0	B=4.0mm	0	B length tolerance ±0.5mm
C	straight lead (bulk package)	00	standard lead length 18mm(min.)			0	B length tolerance ±0.5mm
		40	lead length 4.0mm				

Outline Dimensions

250Vd.c.(160Va.c.)													
C_R (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_R (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.1	10.5	8.5	4.5	7.5	0.6	HCL21X/2E104-30****	0.39	12.5	9.8	5.8	10.0	0.6	HCL21X/2E394-40****
0.15	10.5	8.5	4.4	7.5	0.6	HCL21X/2E154-30****	0.47	12.5	11.3	5.7	10.0	0.6	HCL21X/2E474-40****
0.22	10.5	9.7	4.9	7.5	0.6	HCL21X/2E224-30****	0.56	12.5	12.0	6.3	10.0	0.6	HCL21X/2E564-40****
0.33	10.5	10.6	5.8	7.5	0.6	HCL21X/2E334-30****	0.68	12.5	12.6	6.8	10.0	0.6	HCL21X/2E684-40****
0.39	10.5	11.8	6.0	7.5	0.6	HCL21X/2E394-30****	1.0	12.5	14.9	7.6	10.0	0.6	HCL21X/2E105-40****
0.47	10.5	12.1	6.5	7.5	0.6	HCL21X/2E474-30****	1.5	12.5	17.6	8.8	10.0	0.8	HCL21X/2E155-40****
0.56	10.5	12.8	7.1	7.5	0.6	HCL21X/2E564-30****	0.47	17.5	9.6	4.8	15.0	0.6	HCL21X/2E474-60****
0.68	10.5	14.0	7.5	7.5	0.6	HCL21X/2E684-30****	0.56	17.5	10.0	5.1	15.0	0.6	HCL21X/2E564-60****
1.0	10.5	16.1	8.8	7.5	0.6	HCL21X/2E105-30****	0.68	17.5	10.4	5.6	15.0	0.6	HCL21X/2E684-60****
0.33	12.5	9.5	5.4	10	0.6	HCL21X/2E334-40****	1.0	17.5	12.1	6.4	15.0	0.6	HCL21X/2E105-60****

Note: (1) "-"=capacitance tolerance code,J=±5%,K=±10%;
(2) "****"=terminal code and packaging code (see table 1).

Outline Dimensions

250Vd.c.(160Va.c.)													
CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
1.2	17.5	12.9	7.0	15.0	0.6	HCL21X/2E125-60****	1.5	25.2	13.0	5.8	22.5	0.6	HCL21X/2E155-90****
1.5	17.5	14.5	7.2	15.0	0.6	HCL21X/2E155-60****	1.8	25.2	12.7	7.0	22.5	0.8	HCL21X/2E185-90****
1.8	17.5	15.3	7.9	15.0	0.6	HCL21X/2E185-60****	2.2	25.2	14.4	7.1	22.5	0.8	HCL21X/2E225-90****
2.2	17.5	17.0	8.1	15.0	0.8	HCL21X/2E225-60****	3.3	25.2	17.0	8.2	22.5	0.8	HCL21X/2E335-90****
3.3	17.5	19.9	9.5	15.0	0.8	HCL21X/2E335-60****	4.7	25.2	18.8	9.9	22.5	0.8	HCL21X/2E475-90****
4.7	17.5	22.0	11.6	15.0	0.8	HCL21X/2E475-60****	6.8	25.2	21.9	11.4	22.5	0.8	HCL21X/2E685-90****
1.0	25.2	10.4	5.6	22.5	0.6	HCL21X/2E105-90****	8.2	25.2	23.3	12.8	22.5	0.8	HCL21X/2E825-90****
1.2	25.2	11.4	5.7	22.5	0.6	HCL21X/2E125-90****							
400/450Vd.c.(200Va.c.)													
CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.033	10.5	7.3	3.9	7.5	0.6	HCL21X/2G333-30****	0.39	17.5	11.8	6.1	15.0	0.6	HCL21X/2G394-60****
0.047	10.5	7.4	4.0	7.5	0.6	HCL21X/2G473-30****	0.47	17.5	12.8	6.3	15.0	0.6	HCL21X/2G474-60****
0.068	10.5	7.9	4.5	7.5	0.6	HCL21X/2G683-30****	0.68	17.5	15.6	6.7	15.0	0.6	HCL21X/2G684-60****
0.1	10.5	9.5	4.7	7.5	0.6	HCL21X/2G104-30****	1.0	17.5	17.0	8.2	15.0	0.8	HCL21X/2G105-60****
0.15	10.5	10.4	5.6	7.5	0.6	HCL21X/2G154-30****	1.5	17.5	19.1	10.1	15.0	0.8	HCL21X/2G155-60****
0.22	10.5	11.4	6.6	7.5	0.6	HCL21X/2G224-30****	2.2	17.5	21.6	12.5	15.0	0.8	HCL21X/2G225-60****
0.1	12.5	8.9	4.1	10.0	0.6	HCL21X/2G104-40****	0.47	25.2	10.6	5.7	22.5	0.6	HCL21X/2G474-90****
0.15	12.5	9.6	4.8	10.0	0.6	HCL21X/2G154-40****	0.68	25.2	12.1	6.4	22.5	0.6	HCL21X/2G684-90****
0.22	12.5	10.4	5.6	10.0	0.6	HCL21X/2G224-40****	0.82	25.2	12.6	6.9	22.5	0.8	HCL21X/2G824-90****
0.33	12.5	12.3	6.4	10.0	0.6	HCL21X/2G334-40****	1.0	25.2	14.3	7.0	22.5	0.8	HCL21X/2G105-90****
0.47	12.5	14.4	7.0	10.0	0.6	HCL21X/2G474-40****	1.2	25.2	15.0	7.6	22.5	0.8	HCL21X/2G125-90****
0.68	12.5	15.8	8.4	10.0	0.8	HCL21X/2G684-40****	1.5	25.2	15.8	8.5	22.5	0.8	HCL21X/2G155-90****
1.0	12.5	18.6	9.6	10.0	0.8	HCL21X/2G105-40****	1.8	25.2	16.7	9.3	22.5	0.8	HCL21X/2G185-90****
0.22	17.5	9.8	4.9	15.0	0.6	HCL21X/2G224-60****	2.2	25.2	19.6	9.2	22.5	0.8	HCL21X/2G225-90****
0.33	17.5	10.6	5.8	15.0	0.6	HCL21X/2G334-60****	3.3	25.2	21.8	11.4	22.5	0.8	HCL21X/2G335-90****

Note: (1) "-"=capacitance tolerance code,J=±5%,K=±10%;
(2) "****"=terminal code and packaging code (see table 1);
(3) When the rated voltage is 450V,the digit 8~9 is 2S.

Outline Dimensions

520Vd.c.(220Va.c.)													
CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.022	10.5	7.3	3.9	7.5	0.6	HCL21X/2T223-30****	0.47	17.5	14.1	7.6	15.0	0.8	HCL21X/2T474-60****
0.033	10.5	8.3	4.3	7.5	0.6	HCL21X/2T333-30****	0.68	17.5	16.3	8.8	15.0	0.8	HCL21X/2T684-60****
0.047	10.5	9.4	4.6	7.5	0.6	HCL21X/2T473-30****	1.0	17.5	19.1	10.1	15.0	0.8	HCL21X/2T105-60****
0.068	10.5	10.1	5.3	7.5	0.6	HCL21X/2T683-30****	1.5	17.5	21.8	12.7	15.0	0.8	HCL21X/2T155-60****
0.068	12.5	9.5	4.6	10.0	0.6	HCL21X/2T683-40****	0.22	25.2	9.6	4.8	22.5	0.6	HCL21X/2T224-90****
0.1	12.5	10.2	5.4	10.0	0.6	HCL21X/2T104-40****	0.27	25.2	10.0	5.2	22.5	0.6	HCL21X/2T274-90****
0.15	12.5	11.4	6.4	10.0	0.6	HCL21X/2T154-40****	0.33	25.2	11.6	5.2	22.5	0.6	HCL21X/2T334-90****
0.22	12.5	14.1	6.8	10.0	0.6	HCL21X/2T224-40****	0.47	25.2	12.6	6.0	22.5	0.6	HCL21X/2T474-90****
0.33	12.5	15.5	8.2	10.0	0.8	HCL21X/2T334-40****	0.68	25.2	14.4	7.0	22.5	0.8	HCL21X/2T684-90****
0.1	17.5	8.6	4.5	15.0	0.6	HCL21X/2T104-60****	1.0	25.2	16.8	7.9	22.5	0.8	HCL21X/2T105-90****
0.15	17.5	9.3	5.3	15.0	0.6	HCL21X/2T154-60****	1.5	25.2	18.8	9.9	22.5	0.8	HCL21X/2T155-90****
0.22	17.5	10.9	5.9	15.0	0.6	HCL21X/2T224-60****	2.2	25.2	21.0	12.0	22.5	0.8	HCL21X/2T225-90****
0.33	17.5	13.0	6.5	15.0	0.6	HCL21X/2T334-60****							
630Vd.c.(220Va.c.)													
CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.01	10.5	7.3	3.9	7.5	0.6	HCL21X/2J103-30****	0.22	17.5	13.0	6.4	15.0	0.6	HCL21X/2J224-60****
0.015	10.5	7.8	4.3	7.5	0.6	HCL21X/2J153-30****	0.33	17.5	14.3	7.7	15.0	0.8	HCL21X/2J334-60****
0.022	10.5	7.8	4.4	7.5	0.6	HCL21X/2J223-30****	0.39	17.5	14.9	8.3	15.0	0.8	HCL21X/2J394-60****
0.033	10.5	8.9	4.8	7.5	0.6	HCL21X/2J333-30****	0.47	17.5	15.5	9.0	15.0	0.8	HCL21X/2J474-60****
0.047	10.5	10.1	5.2	7.5	0.6	HCL21X/2J473-30****	0.68	17.5	18.7	9.9	15.0	0.8	HCL21X/2J684-60****
0.068	10.5	11.4	5.8	7.5	0.6	HCL21X/2J683-30****	0.22	25.2	11.0	5.4	22.5	0.6	HCL21X/2J224-90****
0.1	10.5	12.3	7.3	7.5	0.6	HCL21X/2J104-30****	0.33	25.2	12.0	6.4	22.5	0.8	HCL21X/2J334-90****
0.047	12.5	9.5	4.6	10.0	0.6	HCL21X/2J473-40****	0.39	25.2	13.9	6.5	22.5	0.8	HCL21X/2J394-90****
0.068	12.5	10.1	5.3	10.0	0.6	HCL21X/2J683-40****	0.47	25.2	14.3	7.1	22.5	0.8	HCL21X/2J474-90****
0.1	12.5	10.8	6.6	10.0	0.6	HCL21X/2J104-40****	0.68	25.2	15.7	8.4	22.5	0.8	HCL21X/2J684-90****
0.15	12.5	13.5	6.9	10.0	0.6	HCL21X/2J154-40****	1.0	25.2	19.5	9.1	22.5	0.8	HCL21X/2J105-90****
0.22	12.5	14.8	8.2	10.0	0.8	HCL21X/2J224-40****	1.2	25.2	20.7	10.2	22.5	0.8	HCL21X/2J125-90****
0.1	17.5	9.7	4.9	15.0	0.6	HCL21X/2J104-60****	1.5	25.2	22.0	11.4	22.5	0.8	HCL21X/2J155-90****
0.15	17.5	11.7	5.3	15.0	0.6	HCL21X/2J154-60****	2.2	25.2	24.6	14.1	22.5	0.8	HCL21X/2J225-90****

Note: (1) "-"=capacitance tolerance code,J=±5%,K=±10%;
(2) "****"=terminal code and packaging code (see table 1).

HCL23

Polyester film capacitor

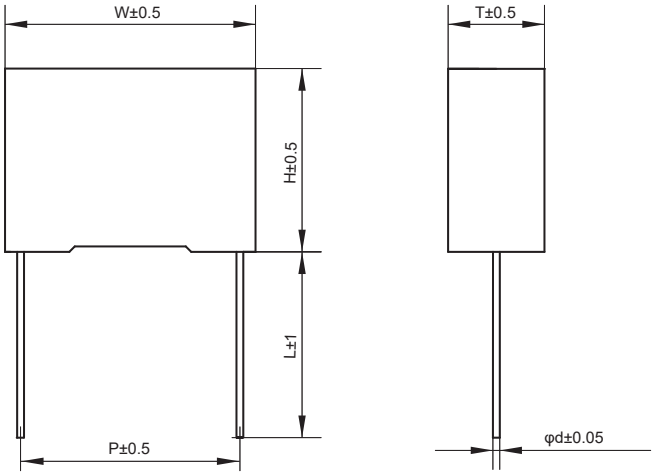
Features

- High reliability
- Metallized polyester film,non-inductive wound construction
- Plastic case(UL94V-0),epoxy resin sealing

Typical Applications

- By-passing,blocking,coupling,decoupling
- Pulse,logic,timing,oscillator circuits

Outline Drawing



Specifications

Reference standard	GB/T 7332 (IEC 60384-2)		
Climatic category	55/105/56		
Operating temperature range	-55℃~105℃		
Rated temperature	85℃		
Rated voltage	63Vd.c.,100Vd.c.,160Vd.c.,250Vd.c.,400Vd.c.,630Vd.c.,1000Vd.c		
Capacitance range	0.0010μF~47μF		
Capacitance tolerance	±5%(J),±10%(K),±20%(M) (20℃±5℃, 1kHz)		
Voltage proof	1.6U_R (5s)		
Dissipation factor	≤1% (1kHz,20℃)		
Insulation resistance (IR×C_N)	U_R≤100V	≥3750MΩ,C_N≤0.33μF ≥1250S,C_N>0.33μF	(20℃,10Vd.c.,1min)
	U_R>100V	≥30000MΩ,C_N≤0.33μF ≥10000s,C_N>0.33μF	(20℃,100Vd.c.,1min)

Max. Pulse Rise Time: If the working voltage(U) is lower than the rate voltage (U_R), the capacitor can be worked at high dV/dt condition. In this case, the maximum allowed dV/dt is obtained by multiplying the right value with U_R/U.

U_R(V)	dV/dt(V/μs)				
	P=7.5mm	P=10.0mm	P=15.0mm	P=22.5mm	P=27.5mm
63	7.5	6	3	2	1
100	15	9	5	3	2
250	30	20	12	8	5
400	40	30	20	10	7
630	50	40	25	12	10
1000	70	60	30	15	12

Ordering Information

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
H	C	L	2	3	/													(	×	×	×	)

Series code

DC rated voltage

1J=63V
2A=100V
2C=160V
2E=250V
2G=400V
2J=630V
3A=1000V

Rated capacitance value

For example:
334=33×10^4 pF
=0.33μF

Capacitance tolerance

J=±5%
K=±10%
M=±20%

Pitch

3=7.5mm
4=10mm
6=15mm
9=22.5mm
B=27.5mm

Internal code

0(Standard part)
Other figures
(specially designed part)

lead form and packaging code

See table 1

Internal code

To identifiy when the special requirements needed

Table 1: Terminal Code and Packing Code

Digit 18		Digit 19		Digit 20		Digit 21	
Code	explanation	Code	explanation	Code	explanation	Code	explanation
A	ammo-pack	3	P=7.5mm	0	straight	1	Between two consecutive mounting holes P=12.7mm,H=18.0mm(For pitch=7.5mm)
		4	P=10.0mm			5	P=25.4mm, H=18.0mm (For pitch=10/15mm)
		6	P=15.0mm				
C	straight lead	00	standard lead length (18mm~28mm)			0	length tolerance ±0.5mm or standard length
		35	lead length 3.5mm				

Outline Dimensions

63Vd.c. (40Va.c.)													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.47	10.0	8.5	3.5	7.5	0.5	HCL23/1J474-30****	1.8	18.0	11.0	5.0	15.0	0.8	HCL23/1J185-60****
0.68	10.0	9.0	4.0	7.5	0.6	HCL23/1J684-30****	2.2	18.0	11.0	5.0	15.0	0.8	HCL23/1J225-60****
1.0	10.0	11.0	5.0	7.5	0.6	HCL23/1J105-30****	3.3	18.0	12.0	6.0	15.0	0.8	HCL23/1J335-60****
1.5	10.0	12.0	6.0	7.5	0.6	HCL23/1J155-30****	4.7	18.0	13.5	7.5	15.0	0.8	HCL23/1J475-60****
1.8	10.0	12.0	6.0	7.5	0.6	HCL23/1J185-30****	6.8	18.0	14.5	8.5	15.0	0.8	HCL23/1J685-60****
0.10	13.0	9.0	4.0	10.0	0.6	HCL23/1J104-40****	10.0	18.0	19.0	11.0	15.0	0.8	HCL23/1J106-60****
0.15	13.0	9.0	4.0	10.0	0.6	HCL23/1J154-40****	3.3	26.5	16.0	7.0	22.5	0.8	HCL23/1J335-90****
0.22	13.0	9.0	4.0	10.0	0.6	HCL23/1J224-40****	4.7	26.5	16.0	7.0	22.5	0.8	HCL23/1J475-90****
0.33	13.0	9.0	4.0	10.0	0.6	HCL23/1J334-40****	6.8	26.5	16.0	7.0	22.5	0.8	HCL23/1J685-90****
0.47	13.0	9.0	4.0	10.0	0.6	HCL23/1J474-40****	10.0	26.5	17.0	8.5	22.5	0.8	HCL23/1J106-90****
0.68	13.0	9.0	4.0	10.0	0.6	HCL23/1J684-40****	15.0	26.5	20.0	11.0	22.5	0.8	HCL23/1J156-90****
1.0	13.0	9.0	4.0	10.0	0.6	HCL23/1J105-40****	4.7	32.0	18.0	9.0	27.5	0.8	HCL23/1J475-B0****
1.5	13.0	11.0	5.0	10.0	0.6	HCL23/1J155-40****	6.8	32.0	18.0	9.0	27.5	0.8	HCL23/1J685-B0****
1.8	13.0	12.0	6.0	10.0	0.6	HCL23/1J185-40****	10.0	32.0	18.0	9.0	27.5	0.8	HCL23/1J106-B0****
2.2	13.0	12.0	6.0	10.0	0.6	HCL23/1J225-40****	15.0	32.0	18.0	9.0	27.5	0.8	HCL23/1J156-B0****
0.68	18.0	11.0	5.0	15.0	0.8	HCL23/1J684-60****	22.0	32.0	22.0	13.0	27.5	0.8	HCL23/1J226-B0****
1.0	18.0	11.0	5.0	15.0	0.8	HCL23/1J105-60****	33.0	32.0	24.5	15.0	27.5	0.8	HCL23/1J336-B0****
1.5	18.0	11.0	5.0	15.0	0.8	HCL23/1J155-60****							

Notes: (1) "-"=capacitancte tolerance code,J=±5%,K=±10%;
(2) "****"=terminal code and packaging code (see table 1) .

Outline Dimensions

100Vd.c. (63Va.c.)													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.22	10.0	8.5	3.5	7.5	0.5	HCL23/2A224-30****	1.5	18.0	12.0	6.0	15.0	0.8	HCL23/2A155-60****
0.33	10.0	9.0	4.0	7.5	0.6	HCL23/2A334-30****	1.8	18.0	12.0	6.0	15.0	0.8	HCL23/2A185-60****
0.39	10.0	9.0	4.0	7.5	0.6	HCL23/2A394-30****	2.2	18.0	12.0	6.0	15.0	0.8	HCL23/2A225-60****
0.47	10.0	9.0	4.0	7.5	0.6	HCL23/2A474-30****	3.3	18.0	13.5	7.5	15.0	0.8	HCL23/2A335-60****
0.68	10.0	11.0	5.0	7.5	0.6	HCL23/2A684-30****	4.7	18.0	14.5	8.5	15.0	0.8	HCL23/2A475-60****
1.0	10.0	12.0	6.0	7.5	0.6	HCL23/2A105-30****	1.5	26.5	15.0	6.0	22.5	0.8	HCL23/2A155-90****
0.10	13.0	9.0	4.0	10.0	0.6	HCL23/2A104-40****	1.8	26.5	15.0	6.0	22.5	0.8	HCL23/2A185-90****
0.15	13.0	9.0	4.0	10.0	0.6	HCL23/2A154-40****	2.2	26.5	15.0	6.0	22.5	0.8	HCL23/2A225-90****
0.22	13.0	9.0	4.0	10.0	0.6	HCL23/2A224-40****	3.3	26.5	15.0	6.0	22.5	0.8	HCL23/2A335-90****
0.33	13.0	9.0	4.0	10.0	0.6	HCL23/2A334-40****	4.7	26.5	16.0	7.0	22.5	0.8	HCL23/2A475-90****
0.47	13.0	9.0	4.0	10.0	0.6	HCL23/2A474-40****	6.8	26.5	19.0	10.0	22.5	0.8	HCL23/2A685-90****
0.68	13.0	9.0	4.0	10.0	0.6	HCL23/2A684-40****	10.0	26.5	22.0	12.0	22.5	0.8	HCL23/2A106-90****
1.0	13.0	11.0	5.0	10.0	0.6	HCL23/2A105-40****	4.7	32.0	18.0	9.0	27.5	0.8	HCL23/2A475-B0****
1.5	13.0	12.0	6.0	10.0	0.6	HCL23/2A155-40****	6.8	32.0	18.0	9.0	27.5	0.8	HCL23/2A685-B0****
0.33	18.0	11.0	5.0	15.0	0.8	HCL23/2A334-60****	10.0	32.0	20.0	11.0	27.5	0.8	HCL23/2A106-B0****
0.47	18.0	11.0	5.0	15.0	0.8	HCL23/2A474-60****	15.0	32.0	20.0	11.0	27.5	0.8	HCL23/2A156-B0****
0.68	18.0	11.0	5.0	15.0	0.8	HCL23/2A684-60****	22.0	32.0	25.0	13.0	27.5	0.8	HCL23/2A226-B0****
1.0	18.0	11.0	5.0	15.0	0.8	HCL23/2A105-60****							
250Vd.c. (160Va.c.)													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.068	13.0	9.0	4.0	10.0	0.6	HCL23/2E683-40****	1.0	26.5	15.0	6.0	22.5	0.8	HCL23/2E105-90****
0.10	13.0	9.0	4.0	10.0	0.6	HCL23/2E104-40****	1.5	26.5	16.0	7.0	22.5	0.8	HCL23/2E155-90****
0.15	13.0	9.0	4.0	10.0	0.6	HCL23/2E154-40****	1.8	26.5	16.0	7.0	22.5	0.8	HCL23/2E185-90****
0.22	13.0	11.0	5.0	10.0	0.6	HCL23/2E224-40****	2.2	26.5	17.0	8.5	22.5	0.8	HCL23/2E225-90****
0.33	13.0	11.0	5.0	10.0	0.6	HCL23/2E334-40****	3.3	26.5	20.0	11.0	22.5	0.8	HCL23/2E335-90****
0.39	13.0	12.0	6.0	10.0	0.6	HCL23/2E394-40****	1.5	32.0	18.0	9.0	27.5	0.8	HCL23/2E155-B0****
0.47	13.0	12.0	6.0	10.0	0.6	HCL23/2E474-40****	1.8	32.0	18.0	9.0	27.5	0.8	HCL23/2E185-B0****
0.10	18.0	11.0	5.0	15.0	0.8	HCL23/2E104-60****	2.2	32.0	18.0	9.0	27.5	0.8	HCL23/2E225-B0****
0.15	18.0	11.0	5.0	15.0	0.8	HCL23/2E154-60****							

Notes: (1) "-"=capacitancte tolerance code,J=±5%,K=±10%;
(2) "****"=terminal code and packaging code (see table 1) .

Outline Dimensions

400Vd.c. (200Va.c.)													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.022	13.0	9.0	4.0	10.0	0.6	HCL23/2G223-40****	0.56	18.0	16.0	10.0	15.0	0.8	HCL23/2G564-60****
0.033	13.0	9.0	4.0	10.0	0.6	HCL23/2G333-40****	0.68	18.0	16.0	10.0	15.0	0.8	HCL23/2G684-60****
0.047	13.0	9.0	4.0	10.0	0.6	HCL23/2G473-40****	0.22	26.5	15.0	6.0	22.5	0.8	HCL23/2G224-90****
0.056	13.0	9.0	4.0	10.0	0.6	HCL23/2G563-40****	0.33	26.5	15.0	6.0	22.5	0.8	HCL23/2G334-90****
0.068	13.0	11.0	5.0	10.0	0.6	HCL23/2G683-40****	0.47	26.5	15.0	6.0	22.5	0.8	HCL23/2G474-90****
0.10	13.0	11.0	5.0	10.0	0.6	HCL23/2G104-40****	0.68	26.5	16.0	7.0	22.5	0.8	HCL23/2G684-90****
0.15	13.0	12.0	6.0	10.0	0.6	HCL23/2G154-40****	1.0	26.5	19.0	10.0	22.5	0.8	HCL23/2G105-90****
0.047	18.0	11.0	5.0	15.0	0.8	HCL23/2G473-60****	1.5	26.5	22.0	12.0	22.5	0.8	HCL23/2G155-90****
0.068	18.0	11.0	5.0	15.0	0.8	HCL23/2G683-60****	0.68	32.0	18.0	9.0	27.5	0.8	HCL23/2G684-B0****
0.10	18.0	11.0	5.0	15.0	0.8	HCL23/2G104-60****	1.0	32.0	18.0	9.0	27.5	0.8	HCL23/2G105-B0****
0.15	18.0	11.0	5.0	15.0	0.8	HCL23/2G154-60****	1.5	32.0	20.0	11.0	27.5	0.8	HCL23/2G155-B0****
0.22	18.0	12.0	6.0	15.0	0.8	HCL23/2G224-60****	1.8	32.0	20.0	11.0	27.5	0.8	HCL23/2G185-B0****
0.33	18.0	13.5	7.5	15.0	0.8	HCL23/2G334-60****	2.2	32.0	22.0	13.0	27.5	0.8	HCL23/2G225-B0****
0.47	18.0	14.5	8.5	15.0	0.8	HCL23/2G474-60****							
630Vd.c. (220Va.c.)													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.022	13.0	9.0	4.0	10.0	0.6	HCL23/2J223-40****	0.10	26.5	15.0	6.0	22.5	0.8	HCL23/2J104-90****
0.033	13.0	11.0	5.0	10.0	0.6	HCL23/2J333-40****	0.15	26.5	15.0	6.0	22.5	0.8	HCL23/2J154-90****
0.047	13.0	11.0	5.0	10.0	0.6	HCL23/2J473-40****	0.22	26.5	16.0	7.0	22.5	0.8	HCL23/2J224-90****
0.068	13.0	12.0	6.0	10.0	0.6	HCL23/2J683-40****	0.33	26.5	16.0	7.0	22.5	0.8	HCL23/2J334-90****
0.033	18.0	11.0	5.0	15.0	0.8	HCL23/2J333-60****	0.47	26.5	17.0	8.5	22.5	0.8	HCL23/2J474-90****
0.047	18.0	11.0	5.0	15.0	0.8	HCL23/2J473-60****	0.68	26.5	22.0	12.0	22.5	0.8	HCL23/2J684-90****
0.068	18.0	11.0	5.0	15.0	0.8	HCL23/2J683-60****	0.33	32.0	18.0	9.0	27.5	0.8	HCL23/2J334-B0****
0.10	18.0	12.0	6.0	15.0	0.8	HCL23/2J104-60****	0.47	32.0	18.0	9.0	27.5	0.8	HCL23/2J474-B0****
0.15	18.0	13.5	7.5	15.0	0.8	HCL23/2J154-60****	0.68	32.0	20.0	11.0	27.5	0.8	HCL23/2J684-B0****
0.22	18.0	16.0	10.0	15.0	0.8	HCL23/2J224-60****	1.0	32.0	20.0	11.0	27.5	0.8	HCL23/2J105-B0****
0.33	18.0	19.0	11.0	15.0	0.8	HCL23/2J334-60****							

Notes: (1) "-"=capacitancte tolerance code,J=±5%,K=±10%;
(2) "****"=terminal code and packaging code (see table 1) .

Outline Dimensions

1000Vd.c. (300Va.c.)													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.0010	13.0	9.0	4.0	10.0	0.6	HCL23/3A102-40****	0.047	18.0	12.0	6.0	15.0	0.8	HCL23/3A473-60****
0.0015	13.0	9.0	4.0	10.0	0.6	HCL23/3A152-40****	0.068	18.0	13.5	7.5	15.0	0.8	HCL23/3A683-60****
0.0022	13.0	9.0	4.0	10.0	0.6	HCL23/3A222-40****	0.10	18.0	14.5	8.5	15.0	0.8	HCL23/3A104-60****
0.0033	13.0	9.0	4.0	10.0	0.6	HCL23/3A332-40****	0.033	26.5	15.0	6.0	22.5	0.8	HCL23/3A333-90****
0.0047	13.0	9.0	4.0	10.0	0.6	HCL23/3A472-40****	0.047	26.5	15.0	6.0	22.5	0.8	HCL23/3A473-90****
0.0056	13.0	9.0	4.0	10.0	0.6	HCL23/3A562-40****	0.068	26.5	15.0	6.0	22.5	0.8	HCL23/3A683-90****
0.0068	13.0	9.0	4.0	10.0	0.6	HCL23/3A682-40****	0.10	26.5	15.0	6.0	22.5	0.8	HCL23/3A104-90****
0.010	13.0	9.0	4.0	10.0	0.6	HCL23/3A103-40****	0.15	26.5	16.0	7.0	22.5	0.8	HCL23/3A154-90****
0.015	13.0	11.0	5.0	10.0	0.6	HCL23/3A153-40****	0.22	26.5	17.0	8.5	22.5	0.8	HCL23/3A224-90****
0.022	13.0	11.0	5.0	10.0	0.6	HCL23/3A223-40****	0.33	26.5	20.0	11.0	22.5	0.8	HCL23/3A334-90****
0.010	18.0	11.0	5.0	15.0	0.8	HCL23/3A103-60****	0.15	32.0	18.0	9.0	27.5	0.8	HCL23/3A154-B0****
0.015	18.0	11.0	5.0	15.0	0.8	HCL23/3A153-60****	0.22	32.0	18.0	9.0	27.5	0.8	HCL23/3A224-B0****
0.022	18.0	11.0	5.0	15.0	0.8	HCL23/3A223-60****	0.33	32.0	20.0	11.0	27.5	0.8	HCL23/3A334-B0****
0.033	18.0	12.0	6.0	15.0	0.8	HCL23/3A333-60****	1.5	32.0	37.0	22.0	27.5	0.8	HCL23/3A155-B0****

Notes: (1) "-"=capacitancte tolerance code,J=±5%,K=±10%;
(2) "****"=terminal code and packaging code (see table 1) .

HCBB22

Metallized polypropylene film capacitor（dipped）

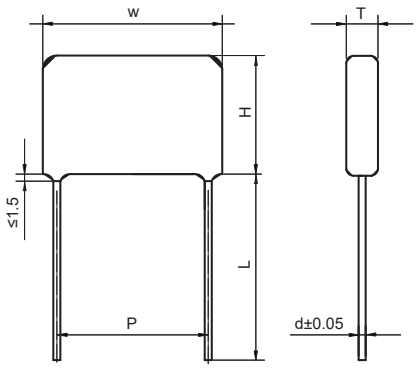
Features

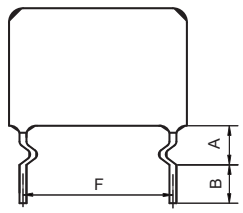
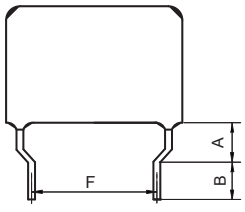
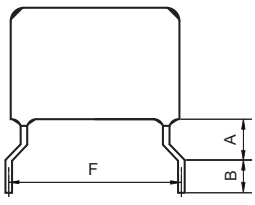
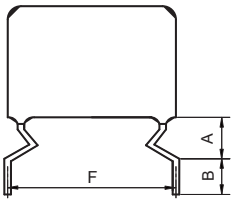
- Metallized polypropylene film, non-inductive wound construction
- Flame retardant epoxy resin powder coating
- Low loss at high frequency and low inherent temperature rise
- Self-healing properties and long life

Typical Applications

- Widely used in high frequency,DC,AC and pulse circuits
- Suitable for S-correction circuits of large screen monitor
- Suitable for high frequency and high current applications

Outline Drawing



Forming lead shapes			
I	II	III	IV
			
P≥F		P＜F	
0mm≤P-F≤3mm	3mm＜P-F≤8mm	3mm＜F-P≤5mm	0mm＜F-P≤3mm
F±0.8mm;A≤4.5mm;B=4.0±0.5mm			

Specifications

Reference standard	GB/T 10190 (IEC 60384-16)				
Climatic category	40/105/21				
Operating temperature range	-40℃~+105℃ (+85℃~+105℃:decreasing factor 1.25% per℃ for U_R)				
Rated temperature	85℃				
Rated voltage	100Vd.c.,250Vd.c.,400Vd.c.,450Vd.c.,630Vd.c.,1000Vd.c.,1250Vd.c.				
Capacitance range	0.0010μF~4.7μF				
Capacitance tolerance	±5%(J),±10%(K)				
Voltage proof	1.6U_R (5s)				
Dissipation factor	≤0.0010 (1kHz,20℃)				
Insulation resistance	≥100000MΩ,C_N≤0.33μF ≥30000s, C_N>0.33μF	(20℃,100Vd.c.,1min)			
Max. Pulse Rise Time: If the working voltage(U) is lower than the rated voltage(U_R), the capacitor can be worked at high dV/dt condition. In this case, the maximum allowed dV/dt is obtained by multiplying the right value with U_R/U.	U_R(V)	dV/dt(V/μs)			
		P=7.5mm	P=10.0mm	P=15.0mm	P=22.5mm
	100/250	660	560	310	130
	400/450	900	780	600	300
	630	1500	1200	900	400
	1000/1250	2500	2200	--	--

Ordering Information

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
H	C	B	B	2	2	/													(	×	×	×	)

Series code

AC rated voltage

- 2A=100V
- 2E=250V
- 2G=400V
- 2S=450V
- 2J=630V
- 3A=1000V
- 3B=1250V

Rated capacitance value

For example:
103=10×10³ pF
=0.01μF

Capacitance tolerance

J=±5%
K=±10%

Pitch

- 3=7.5mm
- 4=10mm
- 6=15mm
- 8=20mm
- 9=22.5mm
- A=25mm
- B=27.5mm

Internal code

0(Standard part)

lead form and packaging code

See table 1

Internal code

To identifiy when the special requirements needed

Table 1 Terminal code

Digit 16		Digit 17		Digit 18		Digit 19	
Code	explanation	Code	explanation	Code	explanation	Code	explanation
A	ammo-pack	2 3 4 6	F=5.0mm F=7.5mm F=10.0mm F=15.0mm	0	straight	1	Between two consecutive mounting holes P3=12.7mm, H=18.0mm (pitch=5.0/7.5mm)
						5	P3=25.4mm, H=18.0mm (pitch=10.0/15.0mm)
				1	crimped	A	Between two consecutive mounting holes P3=12.7mm, H=20.0mm (pitch=5.0/7.5mm)
						E	P3=25.4mm, H=20.0mm (pitch=10.0/15.0mm)
F	crimped lead	2 3 4 6	F=5.0mm F=7.5mm F=10.0mm F=15.0mm	0	B=4.0mm	0	B length tolerance ±0.5mm
C	straight lead (bulk package)	00	standard lead length 18mm(min.)			0	length tolerance ±0.5mm
		40	lead length 4.0mm				

Outline Dimensions

100Vd.c.(63Va.c.)/250Vd.c.(160Va.c.) #							100Vd.c.(63Va.c.)/250Vd.c.(160Va.c.) #						
C_R (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_R (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.01	10.5	7.6	4.1	7.5	0.6	HCBB22/2A103-30****	0.33	12.5	11.3	6.5	10.0	0.6	HCBB22/2A334-40****
0.012	10.5	8.2	4.2	7.5	0.6	HCBB22/2A123-30****	0.39	12.5	11.8	7.2	10.0	0.6	HCBB22/2A394-40****
0.015	10.5	8.1	4.1	7.5	0.6	HCBB22/2A153-30****	0.18	17.5	9.2	4.4	15.0	0.6	HCBB22/2A184-60****
0.018	10.5	8.4	4.3	7.5	0.6	HCBB22/2A183-30****	0.22	17.5	10.1	4.5	15.0	0.6	HCBB22/2A224-60****
0.022	10.5	8.2	4.1	7.5	0.6	HCBB22/2A223-30****	0.27	17.5	10.5	4.9	15.0	0.6	HCBB22/2A274-60****
0.024	10.5	8.3	4.3	7.5	0.6	HCBB22/2A243-30****	0.30	17.5	10.8	5.1	15.0	0.6	HCBB22/2A304-60****
0.027	10.5	8.2	4.1	7.5	0.6	HCBB22/2A273-30****	0.33	17.5	11.0	5.5	15.0	0.6	HCBB22/2A334-60****
0.030	10.5	8.3	4.3	7.5	0.6	HCBB22/2A303-30****	0.36	17.5	11.2	5.8	15.0	0.6	HCBB22/2A364-60****
0.033	10.5	8.2	4.1	7.5	0.6	HCBB22/2A333-30****	0.39	17.5	11.4	6.0	15.0	0.6	HCBB22/2A394-60****
0.036	10.5	8.3	4.3	7.5	0.6	HCBB22/2A363-30****	0.43	17.5	11.7	6.2	15.0	0.6	HCBB22/2A434-60****
0.039	10.5	8.4	4.4	7.5	0.6	HCBB22/2A393-30****	0.47	17.5	11.9	6.3	15.0	0.6	HCBB22/2A474-60****
0.043	10.5	8.2	4.1	7.5	0.6	HCBB22/2A433-30****	0.51	17.5	12.5	6.7	15.0	0.6	HCBB22/2A514-60****

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%;
(2) "****"=terminal code and packaging code (see table 1);
(3) When the rated voltage is 250V,the digit 8~9 is 2E.

Outline Dimensions

100Vd.c.(63Va.c.)/250Vd.c.(160Va.c.) #							100Vd.c.(63Va.c.)/250Vd.c.(160Va.c.) #						
CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.047	10.5	8.3	4.2	7.5	0.6	HCBB22/2A473-30****	0.56	17.5	13.0	7.1	15.0	0.6	HCBB22/2A564-60****
0.056	10.5	8.2	4.2	7.5	0.6	HCBB22/2A563-30****	0.62	17.5	13.3	7.4	15.0	0.6	HCBB22/2A624-60****
0.068	10.5	8.6	4.5	7.5	0.6	HCBB22/2A683-30****	0.68	17.5	13.7	7.8	15.0	0.6	HCBB22/2A684-60****
0.082	10.5	8.4	4.4	7.5	0.6	HCBB22/2A823-30****	0.75	17.5	14.0	8.1	15.0	0.6	HCBB22/2A754-60****
0.1	10.5	8.8	4.7	7.5	0.6	HCBB22/2A104-30****	0.82	17.5	14.4	8.5	15.0	0.8	HCBB22/2A824-60****
0.12	10.5	9.1	5.1	7.5	0.6	HCBB22/2A124-30****	0.91	17.5	14.8	8.9	15.0	0.8	HCBB22/2A914-60****
0.15	10.5	9.6	5.6	7.5	0.6	HCBB22/2A154-30****	1.0	17.5	15.3	9.3	15.0	0.8	HCBB22/2A105-60****
0.18	10.5	10.6	5.7	7.5	0.6	HCBB22/2A184-30****	1.0	25.2	13.8	6.6	22.5	0.8	HCBB22/2A105-90****
0.22	10.5	11.1	6.3	7.5	0.6	HCBB22/2A224-30****	1.2	25.2	14.8	7.5	22.5	0.8	HCBB22/2A125-90****
0.056	12.5	8.5	4.4	10.0	0.6	HCBB22/2A563-40****	1.3	25.2	14.8	7.6	22.5	0.8	HCBB22/2A135-90****
0.062	12.5	8.7	4.6	10.0	0.6	HCBB22/2A623-40****	1.5	25.2	15.8	8.5	22.5	0.8	HCBB22/2A155-90****
0.068	12.5	8.3	4.3	10.0	0.6	HCBB22/2A683-40****	1.6	25.2	16.1	8.7	22.5	0.8	HCBB22/2A165-90****
0.075	12.5	8.5	4.5	10.0	0.6	HCBB22/2A753-40****	1.8	25.2	16.7	9.3	22.5	0.8	HCBB22/2A185-90****
0.082	12.5	9.2	4.6	10.0	0.6	HCBB22/2A823-40****	2.0	25.2	17.2	9.8	22.5	0.8	HCBB22/2A205-90****
0.091	12.5	8.5	4.4	10.0	0.6	HCBB22/2A913-40****	2.2	25.2	18.6	9.7	22.5	0.8	HCBB22/2A225-90****
0.10	12.5	8.7	4.6	10.0	0.6	HCBB22/2A104-40****	2.4	25.2	19.1	10.1	22.5	0.8	HCBB22/2A245-90****
0.12	12.5	9.0	5.0	10.0	0.6	HCBB22/2A124-40****	2.7	25.2	19.7	10.8	22.5	0.8	HCBB22/2A275-90****
0.15	12.5	8.9	4.8	10.0	0.6	HCBB22/2A154-40****	3.0	25.2	20.3	11.4	22.5	0.8	HCBB22/2A305-90****
0.18	12.5	9.8	5.1	10.0	0.6	HCBB22/2A184-40****	3.3	25.2	20.9	12.0	22.5	0.8	HCBB22/2A335-90****
0.20	12.5	10.0	5.4	10.0	0.6	HCBB22/2A204-40****	3.9	25.2	22.1	13.3	22.5	0.8	HCBB22/2A395-90****
0.22	12.5	10.2	5.6	10.0	0.6	HCBB22/2A224-40****	4.7	25.2	23.5	14.7	22.5	0.8	HCBB22/2A475-90****

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%;
(2) "****"=terminal code and packaging code (see table 1);
(3) When the rated voltage is 250V,the digit 8~9 is 2E.

Outline Dimensions

400/450Vd.c.(200Va.c.) #							400/450Vd.c.(200Va.c.) #						
CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.01	10.5	7.6	4.1	7.5	0.6	HCBB22/2G103-30****	0.082	17.5	9.8	4.8	15.0	0.6	HCBB22/2G823-60****
0.012	10.5	8.2	4.2	7.5	0.6	HCBB22/2G123-30****	0.1	17.5	9.7	4.9	15.0	0.6	HCBB22/2G104-60****
0.015	10.5	8.1	4.3	7.5	0.6	HCBB22/2G153-30****	0.12	17.5	10.7	5.1	15.0	0.6	HCBB22/2G124-60****
0.018	10.5	8.4	4.5	7.5	0.6	HCBB22/2G183-30****	0.15	17.5	11.2	5.6	15.0	0.6	HCBB22/2G154-60****
0.022	10.5	8.2	4.3	7.5	0.6	HCBB22/2G223-30****	0.18	17.5	12.1	6.3	15.0	0.6	HCBB22/2G184-60****
0.027	10.5	8.5	4.5	7.5	0.6	HCBB22/2G273-30****	0.22	17.5	11.6	5.8	15.0	0.6	HCBB22/2G224-60****
0.030	10.5	8.7	4.7	7.5	0.6	HCBB22/2G303-30****	0.24	17.5	11.9	6.0	15.0	0.6	HCBB22/2G244-60****
0.033	10.5	8.8	4.8	7.5	0.6	HCBB22/2G333-30****	0.27	17.5	12.2	6.6	15.0	0.6	HCBB22/2G274-60****
0.036	10.5	9.0	5.0	7.5	0.6	HCBB22/2G363-30****	0.30	17.5	12.5	6.9	15.0	0.6	HCBB22/2G304-60****
0.039	10.5	9.7	4.8	7.5	0.6	HCBB22/2G393-30****	0.33	17.5	12.8	7.2	15.0	0.6	HCBB22/2G334-60****
0.047	10.5	10.1	5.2	7.5	0.6	HCBB22/2G473-30****	0.36	17.5	13.1	7.4	15.0	0.6	HCBB22/2G364-60****
0.056	10.5	11.0	5.4	7.5	0.6	HCBB22/2G563-30****	0.39	17.5	13.3	7.7	15.0	0.6	HCBB22/2G394-60****
0.068	10.5	11.5	5.9	7.5	0.6	HCBB22/2G683-30****	0.43	17.5	13.7	8.1	15.0	0.6	HCBB22/2G434-60****
0.022	12.5	8.2	4.1	10.0	0.6	HCBB22/2G223-40****	0.47	17.5	14.0	8.4	15.0	0.8	HCBB22/2G474-60****
0.024	12.5	8.3	4.3	10.0	0.6	HCBB22/2G243-40****	0.51	17.5	14.3	8.7	15.0	0.8	HCBB22/2G514-60****
0.027	12.5	8.5	4.5	10.0	0.6	HCBB22/2G273-40****	0.56	17.5	14.7	9.1	15.0	0.8	HCBB22/2G564-60****
0.030	12.5	8.7	4.6	10.0	0.6	HCBB22/2G303-40****	0.62	17.5	15.2	9.6	15.0	0.8	HCBB22/2G624-60****
0.033	12.5	8.8	4.8	10.0	0.6	HCBB22/2G333-40****	0.68	17.5	15.6	10.0	15.0	0.8	HCBB22/2G684-60****
0.036	12.5	9.0	5.0	10.0	0.6	HCBB22/2G363-40****	0.33	25.2	11.4	5.8	22.5	0.6	HCBB22/2G334-90****
0.039	12.5	8.5	4.7	10.0	0.6	HCBB22/2G393-40****	0.36	25.2	12.2	6.0	22.5	0.6	HCBB22/2G364-90****
0.043	12.5	8.7	4.9	10.0	0.6	HCBB22/2G433-40****	0.39	25.2	12.4	6.3	22.5	0.6	HCBB22/2G394-90****
0.047	12.5	8.9	5.0	10.0	0.6	HCBB22/2G473-40****	0.43	25.2	12.6	6.5	22.5	0.6	HCBB22/2G434-90****
0.051	12.5	8.3	4.5	10.0	0.6	HCBB22/2G513-40****	0.47	25.2	12.9	6.8	22.5	0.6	HCBB22/2G474-90****
0.056	12.5	8.5	4.6	10.0	0.6	HCBB22/2G563-40****	0.51	25.2	13.1	7.0	22.5	0.6	HCBB22/2G514-90****
0.062	12.5	8.7	4.8	10.0	0.6	HCBB22/2G623-40****	0.56	25.2	13.4	7.3	22.5	0.6	HCBB22/2G564-90****
0.068	12.5	9.3	4.7	10.0	0.6	HCBB22/2G683-40****	0.62	25.2	13.8	7.6	22.5	0.8	HCBB22/2G624-90****
0.075	12.5	9.5	4.9	10.0	0.6	HCBB22/2G753-40****	0.68	25.2	14.1	8.0	22.5	0.8	HCBB22/2G684-90****
0.082	12.5	9.7	5.1	10.0	0.6	HCBB22/2G823-40****	0.75	25.2	14.5	8.3	22.5	0.8	HCBB22/2G754-90****
0.091	12.5	9.9	5.3	10.0	0.6	HCBB22/2G913-40****	0.82	25.2	14.8	8.7	22.5	0.8	HCBB22/2G824-90****
0.1	12.5	10.1	5.5	10.0	0.6	HCBB22/2G104-40****	0.91	25.2	15.2	9.1	22.5	0.8	HCBB22/2G914-90****

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%;
(2) "****"=terminal code and packaging code (see table 1);
(3) When the rated voltage is 450V,the digit 8~9 is 2S.

Outline Dimensions

400/450Vd.c.(200Va.c.) #							400/450Vd.c.(200Va.c.) #						
CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.12	12.5	11.1	6.0	10.0	0.6	HCBB22/2G124-40****	1.0	25.2	16.6	8.9	22.5	0.8	HCBB22/2G105-90****
0.15	12.5	11.7	6.6	10.0	0.6	HCBB22/2G154-40****	1.2	25.2	17.4	9.7	22.5	0.8	HCBB22/2G125-90****
0.18	12.5	12.7	6.9	10.0	0.6	HCBB22/2G184-40****	1.5	25.2	18.6	10.9	22.5	0.8	HCBB22/2G155-90****
0.22	12.5	13.4	7.6	10.0	0.6	HCBB22/2G224-40****	1.8	25.2	19.6	11.9	22.5	0.8	HCBB22/2G185-90****
0.047	17.5	9.5	4.5	15.0	0.6	HCBB22/2G473-60****	2.2	25.2	21.8	12.5	22.5	0.8	HCBB22/2G225-90****
0.056	17.5	9.8	4.8	15.0	0.6	HCBB22/2G563-60****	2.7	25.2	23.2	13.9	22.5	0.8	HCBB22/2G275-90****
0.068	17.5	9.5	4.5	15.0	0.6	HCBB22/2G683-60****							

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%;
(2) "****"=terminal code and packaging code (see table 1);
(3) When the rated voltage is 450V,the digit 8~9 is 2S.

630Vd.c.(220Va.c.)							630Vd.c.(220Va.c.)						
CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.001	10.5	8.0	4.3	7.5	0.6	HCBB22/2J102-30****	0.039	17.5	9.4	4.4	15.0	0.6	HCBB22/2J393-60****
0.0012	10.5	8.3	4.5	7.5	0.6	HCBB22/2J122-30****	0.043	17.5	9.8	4.8	15.0	0.6	HCBB22/2J433-60****
0.0015	10.5	7.4	4.3	7.5	0.6	HCBB22/2J152-30****	0.047	17.5	10.0	5.0	15.0	0.6	HCBB22/2J473-60****
0.0018	10.5	8.1	4.4	7.5	0.6	HCBB22/2J182-30****	0.051	17.5	10.1	5.1	15.0	0.6	HCBB22/2J513-60****
0.0022	10.5	9.0	4.4	7.5	0.6	HCBB22/2J222-30****	0.056	17.5	10.9	5.1	15.0	0.6	HCBB22/2J563-60****
0.0024	10.5	9.1	4.6	7.5	0.6	HCBB22/2J242-30****	0.062	17.5	11.1	5.3	15.0	0.6	HCBB22/2J623-60****
0.0027	10.5	9.3	4.8	7.5	0.6	HCBB22/2J272-30****	0.068	17.5	11.3	5.4	15.0	0.6	HCBB22/2J683-60****
0.003	10.5	7.3	3.9	7.5	0.6	HCBB22/2J302-30****	0.075	17.5	11.5	5.7	15.0	0.6	HCBB22/2J753-60****
0.0033	10.5	7.4	4.0	7.5	0.6	HCBB22/2J332-30****	0.082	17.5	11.7	5.9	15.0	0.6	HCBB22/2J823-60****
0.0036	10.5	7.5	4.1	7.5	0.6	HCBB22/2J362-30****	0.091	17.5	11.9	6.1	15.0	0.6	HCBB22/2J913-60****
0.0039	10.5	7.6	4.2	7.5	0.6	HCBB22/2J392-30****	0.1	17.5	12.2	6.4	15.0	0.6	HCBB22/2J104-60****
0.0043	10.5	8.2	4.1	7.5	0.6	HCBB22/2J432-30****	0.12	17.5	12.7	6.9	15.0	0.6	HCBB22/2J124-60****
0.0047	10.5	8.3	4.2	7.5	0.6	HCBB22/2J472-30****	0.15	17.5	13.4	7.6	15.0	0.6	HCBB22/2J154-60****
0.0051	10.5	8.4	4.4	7.5	0.6	HCBB22/2J512-30****	0.18	17.5	15.1	7.7	15.0	0.6	HCBB22/2J184-60****
0.0056	10.5	9.1	4.3	7.5	0.6	HCBB22/2J562-30****	0.22	17.5	15.8	8.4	15.0	0.8	HCBB22/2J224-60****
0.0062	10.5	9.2	4.4	7.5	0.6	HCBB22/2J622-30****	0.27	17.5	16.7	9.3	15.0	0.8	HCBB22/2J274-60****
0.0068	12.5	8.3	4.3	10.0	0.6	HCBB22/2J682-40****	0.1	25.2	11.1	5.0	22.5	0.6	HCBB22/2J104-90****
0.0075	12.5	8.5	4.4	10.0	0.6	HCBB22/2J752-40****	0.12	25.2	11.4	5.4	22.5	0.6	HCBB22/2J124-90****
0.0082	12.5	9.2	4.3	10.0	0.6	HCBB22/2J822-40****	0.15	25.2	12.9	5.5	22.5	0.6	HCBB22/2J154-90****

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%;
(2) "****"=terminal code and packaging code (see table 1).

Outline Dimensions

630Vd.c.(220Va.c.)							630Vd.c.(220Va.c.)						
CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.0091	12.5	9.3	4.5	10.0	0.6	HCBB22/2J912-40****	0.18	25.2	13.3	6.0	22.5	0.6	HCBB22/2J184-90****
0.01	12.5	8.2	4.4	10.0	0.6	HCBB22/2J103-40****	0.22	25.2	14.6	6.9	22.5	0.6	HCBB22/2J224-90****
0.012	12.5	8.2	4.3	10.0	0.6	HCBB22/2J123-40****	0.24	25.2	14.9	7.2	22.5	0.6	HCBB22/2J244-90****
0.013	12.5	8.3	4.4	10.0	0.6	HCBB22/2J133-40****	0.27	25.2	15.3	7.6	22.5	0.6	HCBB22/2J274-90****
0.015	12.5	8.1	4.3	10.0	0.6	HCBB22/2J153-40****	0.3	25.2	15.7	8.0	22.5	0.8	HCBB22/2J304-90****
0.016	12.5	8.2	4.4	10.0	0.6	HCBB22/2J163-40****	0.33	25.2	16.0	8.4	22.5	0.8	HCBB22/2J334-90****
0.018	12.5	8.3	4.6	10.0	0.6	HCBB22/2J183-40****	0.36	25.2	16.4	8.7	22.5	0.8	HCBB22/2J364-90****
0.022	12.5	9.2	4.7	10.0	0.6	HCBB22/2J223-40****	0.39	25.2	16.7	9.0	22.5	0.8	HCBB22/2J394-90****
0.024	12.5	9.3	4.8	10.0	0.6	HCBB22/2J243-40****	0.43	25.2	17.2	9.5	22.5	0.8	HCBB22/2J434-90****
0.027	12.5	9.5	5.0	10.0	0.6	HCBB22/2J273-40****	0.47	25.2	17.6	9.9	22.5	0.8	HCBB22/2J474-90****
0.03	12.5	9.9	5.2	10.0	0.6	HCBB22/2J303-40****	0.51	25.2	18.0	10.3	22.5	0.8	HCBB22/2J514-90****
0.033	12.5	10.1	5.4	10.0	0.6	HCBB22/2J333-40****	0.56	25.2	18.5	10.8	22.5	0.8	HCBB22/2J564-90****
0.036	12.5	10.3	5.6	10.0	0.6	HCBB22/2J363-40****	0.62	25.2	19.0	11.3	22.5	0.8	HCBB22/2J624-90****
0.039	12.5	10.5	5.7	10.0	0.6	HCBB22/2J393-40****	0.68	25.2	19.6	11.9	22.5	0.8	HCBB22/2J684-90****
0.043	12.5	10.7	5.9	10.0	0.6	HCBB22/2J433-40****	0.75	25.2	20.2	12.5	22.5	0.8	HCBB22/2J754-90****
0.047	12.5	11.2	5.9	10.0	0.6	HCBB22/2J473-40****	0.82	25.2	20.7	13.0	22.5	0.8	HCBB22/2J824-90****
0.056	12.5	11.7	6.7	10.0	0.6	HCBB22/2J563-40****	1.0	25.2	22.1	14.4	22.5	0.8	HCBB22/2J105-90****
0.033	17.5	8.6	4.3	15.0	0.6	HCBB22/2J333-60****							

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%;
(2) "****"=terminal code and packaging code (see table 1).

1000/1250Vd.c.(400Va.c.)＃							1000/1250Vd.c.(400Va.c.)＃						
CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.001	10.5	7.6	4.5	7.5	0.6	HCBB22/3A102-30****	0.0039	12.5	9.4	4.9	10.0	0.6	HCBB22/3A392-40****
0.0012	10.5	8.3	4.5	7.5	0.6	HCBB22/3A122-30****	0.0047	12.5	9.3	4.7	10.0	0.6	HCBB22/3A472-40****
0.0015	10.5	7.4	4.3	7.5	0.6	HCBB22/3A152-30****	0.0056	12.5	9.6	5.1	10.0	0.6	HCBB22/3A562-40****
0.0018	10.5	8.1	4.4	7.5	0.6	HCBB22/3A182-30****	0.0068	12.5	10.0	5.5	10.0	0.6	HCBB22/3A682-40****
0.0022	10.5	9.0	4.4	7.5	0.6	HCBB22/3A222-30****	0.0075	12.5	10.2	5.7	10.0	0.6	HCBB22/3A752-40****
0.0024	10.5	8.6	4.8	7.5	0.6	HCBB22/3A242-30****	0.0082	12.5	10.5	5.9	10.0	0.6	HCBB22/3A822-40****
0.0027	10.5	8.8	5.1	7.5	0.6	HCBB22/3A272-30****	0.0091	12.5	10.7	6.2	10.0	0.6	HCBB22/3A912-40****
0.003	10.5	9.0	5.3	7.5	0.6	HCBB22/3A302-30****	0.01	12.5	11.0	6.5	10.0	0.6	HCBB22/3A103-40****

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%;
(2) "****"=terminal code and packaging code (see table 1);
(3) When the rated voltage is 1250V,the digit 8~9 is 3B.

Outline Dimensions

1000/1250Vd.c.(400Va.c.) #							1000/1250Vd.c.(400Va.c.) #						
C_R (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_R (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.0033	10.5	9.2	5.5	7.5	0.6	HCBB22/3A332-30****	0.012	12.5	12.0	6.7	10.0	0.6	HCBB22/3A123-40****
0.0036	10.5	9.3	4.8	7.5	0.6	HCBB22/3A362-30****	0.01	17.5	9.3	4.7	15.0	0.6	HCBB22/3A103-60****
0.0039	10.5	9.5	4.9	7.5	0.6	HCBB22/3A392-30****	0.012	17.5	9.6	5.1	15.0	0.6	HCBB22/3A123-60****
0.0043	10.5	9.7	5.1	7.5	0.6	HCBB22/3A432-30****	0.015	17.5	10.6	5.3	15.0	0.6	HCBB22/3A153-60****
0.0047	10.5	9.8	5.3	7.5	0.6	HCBB22/3A472-30****	0.018	17.5	11.1	5.8	15.0	0.6	HCBB22/3A183-60****
0.0051	10.5	10.0	5.5	7.5	0.6	HCBB22/3A512-30****	0.022	17.5	11.6	6.3	15.0	0.8	HCBB22/3A223-60****
0.0056	10.5	10.3	5.7	7.5	0.6	HCBB22/3A562-30****	0.027	17.5	12.7	6.9	15.0	0.8	HCBB22/3A273-60****
0.0062	10.5	10.5	6.0	7.5	0.6	HCBB22/3A622-30****	0.033	17.5	14.4	7.0	15.0	0.8	HCBB22/3A333-60****
0.0022	12.5	7.9	4.2	10.0	0.6	HCBB22/3A222-40****	0.039	17.5	15.0	7.6	15.0	0.8	HCBB22/3A393-60****
0.0027	12.5	8.2	4.5	10.0	0.6	HCBB22/3A272-40****	0.047	17.5	15.7	8.4	15.0	0.8	HCBB22/3A473-60****
0.0033	12.5	9.1	4.6	10.0	0.6	HCBB22/3A332-40****	0.056	17.5	16.5	9.1	15.0	0.8	HCBB22/3A563-60****

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%;
(2) "****"=terminal code and packaging code (see table 1);
(3) When the rated voltage is 1250V,the digit 8~9 is 3B.

HCBB81

High-voltage metallized polypropylene film foil capacitor (dipped)

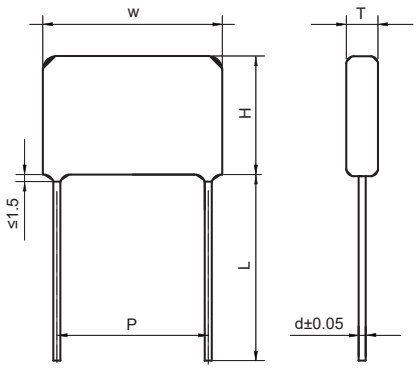
Features

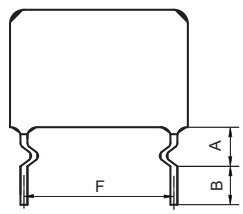
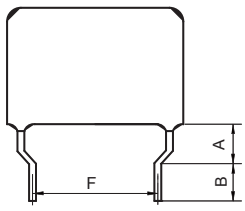
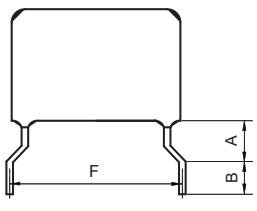
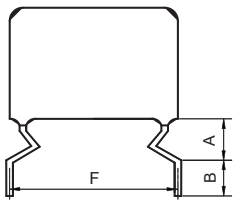
- Metallized polypropylene film/foil,wound construction
- Well resistance of high voltage,high pulse current and high current shock
- Excellent heat dissipation performance and low inherent temperature rise
- Flame retardant epoxy resin powder coating(UL94/V-0)

Typical Applications

- Horizontal resonance circuits of TV and large screen monitor
- Suitable for high frequency,high voltage,DC,AC and pulse circuit
- Suitable for switch power and electric ballast

Outline Drawing



Forming lead shapes			
I	II	III	IV
			
P≥F		P<F	
0mm≤P-F≤3mm	3mm<P-F≤8mm	3mm<F-P≤5mm	0mm<F-P≤3mm
F±0.8mm;A≤4.5mm;B=4.0±0.5mm			

Specifications

Reference standard	GB/T 14579 (IEC 60384-17)			
Climatic category	40/105/21			
Operating temperature range	-40℃~+105℃(+85℃~+105℃： decreasing factor 1.25% per ℃ for U_R)			
Rated temperature	85℃			
Rated voltage	630Vd.c.,800Vd.c.,1000Vd.c.,1250Vd.c.,1600Vd.c.,2000Vd.c.			
Capacitance range	0.0010μF~0.1μF			
Capacitance tolerance	±5%(J),±10%(K)			
Voltage proof	1.75U_R (5s)			
Dissipation factor	≤0.0010(1kHz,20℃) ≤0.0020(10kHz,20℃)			
Insulation resistance	≥100 000MΩ (20℃,100Vd.c.,1min)			
Max. Pulse Rise Time： If the working voltage(U) is lower than the rated voltage (U_R), the capacitor can be worked at high dV/dt condition. In thiscase, the maximum allowed dV/dt is obtained by multiplying the right value with U_R/U	U_R(V)	dV/dt(V/μs)		
		P=10.0mm	P=15.0mm	P=20.0mm
	630/800	11500	10000	8300
	1000/1250	15000	13200	11000
	1600	/	16000	13000
	2000	/	18500	15500

Ordering Information

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
H	C	B	B	8	1	/													(	×	×	×	)

Series code

AC rated voltage

- 2J=630V
- 2K=800V
- 3A=1000V
- 3B=1250V
- 3C=1600V
- 3D=2000V

Rated capacitance value

For example:
102=10×10² pF
=0.001μF

Capacitance tolerance

J=±5%
K=±10%

Pitch

- 4=10mm
- 6=15mm
- 8=20mm

Internal code

0(Standard part)
M= Metallized internal series connection construction

lead form and packaging code

See table 1

Internal code

To identifiy when the special requirements needed

Table 1 Terminal code

Digit 16		Digit 17		Digit 18		Digit 19	
Code	explanation	Code	explanation	Code	explanation	Code	explanation
A	ammo-pack	2 3 4 6	F=5.0mm F=7.5mm F=10.0mm F=15.0mm	0	straight	1	Between two consecutive mounting holes P3=12.7mm，H=18.0mm (pitch=5.0/7.5mm)
						5	P3=25.4mm，H=18.0mm (pitch=10.0/15.0mm)
				1	crimped	A	Between two consecutive mounting holes P3=12.7mm，H=20.0mm (pitch=5.0/7.5mm)
						E	P3=25.4mm，H=20.0mm (pitch=10.0/15.0mm)
F	crimped lead	2 3 4 6	F=5.0mm F=7.5mm F=10.0mm F=15.0mm	0	B=4.0mm	0	B length tolerance ±0.5mm
C	straight lead (bulk package)	00	standard lead length 18mm(min.)			0	length tolerance ±0.5mm
		40	lead length 4.0mm				

Outline Dimensions

630/800Vd.c.(400Va.c.)													
C_R (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_R (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.001	13	9	4.5	10.0	0.6	HCBB81/2K102-40****	0.0036	18	10	4.7	15.0	0.6	HCBB81/2K362-60****
0.0012	13	9.2	4.8	10.0	0.6	HCBB81/2K122-40****	0.0039	18	10	4.8	15.0	0.6	HCBB81/2K392-60****
0.0015	13	10.2	5	10.0	0.6	HCBB81/2K152-40****	0.0043	18	10.2	5	15.0	0.6	HCBB81/2K432-60****
0.0018	13	10.5	5.2	10.0	0.6	HCBB81/2K182-40****	0.0047	18	10	4.8	15.0	0.6	HCBB81/2K472-60****
0.0022	13	10	4.5	10.0	0.6	HCBB81/2K222-40****	0.0049	18	10	4.8	15.0	0.6	HCBB81/2K492-60****
0.0027	13	10.2	5	10.0	0.6	HCBB81/2K272-40****	0.0051	18	10	5	15.0	0.6	HCBB81/2K512-60****
0.003	13	10	4.8	10.0	0.6	HCBB81/2K302-40****	0.0053	18	10.2	5	15.0	0.6	HCBB81/2K532-60****
0.0033	13	10.2	5	10.0	0.6	HCBB81/2K332-40****	0.0056	18	10.3	5	15.0	0.6	HCBB81/2K562-60****
0.0036	13	10	4.7	10.0	0.6	HCBB81/2K362-40****	0.0062	18	10	4.8	15.0	0.6	HCBB81/2K622-60****
0.0039	13	10.1	4.8	10.0	0.6	HCBB81/2K392-40****	0.0068	18	10.2	5	15.0	0.6	HCBB81/2K682-60****
0.0043	13	10.2	5	10.0	0.6	HCBB81/2K432-40****	0.0075	18	10.4	5.1	15.0	0.6	HCBB81/2K752-60****

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%;
(2) "****"=terminal code and packaging code (see table 1);
(3) When the rated voltage is 630V,the digit 8~9 is 2J.

Outline Dimensions

630/800Vd.c.(400Va.c.)													
CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.0047	13	10	4.7	10.0	0.6	HCBB81/2K472-40****	0.0082	18	10.1	4.8	15.0	0.6	HCBB81/2K822-60****
0.0049	13	10	4.8	10.0	0.6	HCBB81/2K492-40****	0.0091	18	10.2	5	15.0	0.6	HCBB81/2K912-60****
0.0051	13	10	5	10.0	0.6	HCBB81/2K512-40****	0.01	18	10.4	5.2	15.0	0.6	HCBB81/2K103-60****
0.0053	13	10.2	5	10.0	0.6	HCBB81/2K532-40****	0.012	18	10.2	5	15.0	0.6	HCBB81/2K123-60****
0.0056	13	10.3	5	10.0	0.6	HCBB81/2K562-40****	0.015	18	10.6	5.4	15.0	0.6	HCBB81/2K153-60****
0.0062	13	10.5	5.2	10.0	0.6	HCBB81/2K622-40****	0.018	18	11.6	5.6	15.0	0.6	HCBB81/2K183-60****
0.0068	13	10.5	5.5	10.0	0.6	HCBB81/2K682-40****	0.022	18	12	6	15.0	0.6	HCBB81/2K223-60****
0.0075	13	11	5.6	10.0	0.6	HCBB81/2K752-40****	0.027	18	12.5	6.5	15.0	0.8	HCBB81/2K273-60****
0.0082	13	11	5.8	10.0	0.6	HCBB81/2K822-40****	0.033	18	13.2	7.2	15.0	0.8	HCBB81/2K333-60****
0.0091	13	11.3	6	10.0	0.6	HCBB81/2K912-40****	0.036	18	13.5	7.5	15.0	0.8	HCBB81/2K363-60****
0.01	13	11.5	6.3	10.0	0.8	HCBB81/2K103-40****	0.039	18	13.8	7.8	15.0	0.8	HCBB81/2K393-60****
0.012	13	12	6.8	10.0	0.8	HCBB81/2K123-40****	0.047	18	14.5	8.5	15.0	0.8	HCBB81/2K473-60****
0.015	13	13.2	7.2	10.0	0.8	HCBB81/2K153-40****	0.049	18	14.5	8.5	15.0	0.8	HCBB81/2K493-60****
0.001	18	9.5	5.1	15.0	0.6	HCBB81/2K102-60****	0.051	18	14.8	8.8	15.0	0.8	HCBB81/2K513-60****
0.0012	18	9.7	5.3	15.0	0.6	HCBB81/2K122-60****	0.056	18	16	8.6	15.0	0.8	HCBB81/2K563-60****
0.0015	18	10.2	5	15.0	0.6	HCBB81/2K152-60****	0.062	18	16.6	9	15.0	0.8	HCBB81/2K623-60****
0.0018	18	10.3	5	15.0	0.6	HCBB81/2K182-60****	0.068	18	17	9.5	15.0	0.8	HCBB81/2K683-60****
0.0022	18	10.5	5	15.0	0.6	HCBB81/2K222-60****	0.075	18	17.5	10	15.0	0.8	HCBB81/2K753-60****
0.0027	18	10	5	15.0	0.6	HCBB81/2K272-60****	0.082	18	17.9	10.3	15.0	0.8	HCBB81/2K823-60****
0.003	18	10.3	5	15.0	0.6	HCBB81/2K302-60****	0.1	18	19.9	10.8	15.0	0.8	HCBB81/2K104-60****
0.0033	18	10.5	5.3	15.0	0.6	HCBB81/2K332-60****							
1000/1250Vd.c.(450Va.c.)													
CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.001	13	9	4.5	10.0	0.6	HCBB81/3A102-40****	0.001	18	9.5	5.1	15.0	0.6	HCBB81/3A102-60****
0.0012	13	9.2	4.8	10.0	0.6	HCBB81/3A122-40****	0.0012	18	9.7	5.3	15.0	0.6	HCBB81/3A122-60****
0.0015	13	10	5	10.0	0.6	HCBB81/3A152-40****	0.0015	18	10.2	5	15.0	0.6	HCBB81/3A152-60****
0.0018	13	10.5	5.3	10.0	0.6	HCBB81/3A182-40****	0.0018	18	10.3	5	15.0	0.6	HCBB81/3A182-60****
0.0022	13	11	5.7	10.0	0.6	HCBB81/3A222-40****	0.0022	18	10.4	5.1	15.0	0.6	HCBB81/3A222-60****
0.0027	13	9.9	4.6	10.0	0.6	HCBB81/3A272-40****	0.0027	18	10.1	5	15.0	0.6	HCBB81/3A272-60****

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%;
(2) "****"=terminal code and packaging code (see table 1);
(3) When the rated voltage is 630V,the digit 8~9 is 2J,When the rated voltage is 1250V,the digit 8~9 is 3B.

Outline Dimensions

1000/1250Vd.c.(450Va.c.)													
CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.003	13	10	4.8	10.0	0.6	HCBB81/3A302-40****	0.0036	18	10	4.7	15.0	0.6	HCBB81/3A362-60****
0.0033	13	10	4.8	10.0	0.6	HCBB81/3A332-40****	0.0039	18	10.1	4.8	15.0	0.6	HCBB81/3A392-60****
0.0036	13	10.1	5	10.0	0.6	HCBB81/3A362-40****	0.0043	18	10.2	5	15.0	0.6	HCBB81/3A432-60****
0.0039	13	10.3	5.1	10.0	0.6	HCBB81/3A392-40****	0.0047	18	10.4	5.2	15.0	0.6	HCBB81/3A472-60****
0.0043	13	10.5	5.3	10.0	0.6	HCBB81/3A432-40****	0.0049	18	10.5	5.3	15.0	0.6	HCBB81/3A492-60****
0.0047	13	10.7	5.4	10.0	0.6	HCBB81/3A472-40****	0.0051	18	10.6	5.3	15.0	0.6	HCBB81/3A512-60****
0.0049	13	10.8	5.5	10.0	0.6	HCBB81/3A492-40****	0.0053	18	10.6	5.4	15.0	0.6	HCBB81/3A532-60****
0.0051	13	10.8	5.6	10.0	0.6	HCBB81/3A512-40****	0.0056	18	10.8	5.5	15.0	0.6	HCBB81/3A562-60****
0.0053	13	11	5.7	10.0	0.6	HCBB81/3A532-40****	0.0062	18	10.5	5.2	15.0	0.6	HCBB81/3A622-60****
0.0056	13	11.1	5.8	10.0	0.6	HCBB81/3A562-40****	0.0068	18	10.5	5.5	15.0	0.6	HCBB81/3A682-60****
0.0062	13	11.3	6	10.0	0.6	HCBB81/3A622-40****	0.0075	18	10.9	5.6	15.0	0.6	HCBB81/3A752-60****
0.0068	13	11.5	6.3	10.0	0.8	HCBB81/3A682-40****	0.0082	18	11.1	5.8	15.0	0.6	HCBB81/3A822-60****
0.0075	13	11.8	6.6	10.0	0.8	HCBB81/3A752-40****	0.0091	18	11.3	6.2	15.0	0.6	HCBB81/3A912-60****
0.0082	13	12.1	6.8	10.0	0.8	HCBB81/3A822-40****	0.01	18	11.5	6.3	15.0	0.8	HCBB81/3A103-60****
0.0091	13	12.4	7.1	10.0	0.8	HCBB81/3A912-40****	0.012	18	12.1	6.8	15.0	0.8	HCBB81/3A123-60****
0.01	13	13.1	7.1	10.0	0.8	HCBB81/3A103-40****	0.015	18	12.7	7.5	15.0	0.8	HCBB81/3A153-60****
0.012	13	13.7	7.7	10.0	0.8	HCBB81/3A123-40****	0.018	18	13.8	7.8	15.0	0.8	HCBB81/3A183-60****
0.015	13	15.5	8	10.0	0.8	HCBB81/3A153-40****	0.022	18	14.5	8.6	15.0	0.8	HCBB81/3A223-60****
0.003	18	10.3	5.1	15.0	0.6	HCBB81/3A302-60****	0.027	18	15.5	9.5	15.0	0.8	HCBB81/3A273-60****
0.0033	18	10.5	5.3	15.0	0.6	HCBB81/3A332-60****	0.033	18	16.5	10.5	15.0	0.8	HCBB81/3A333-60****
1600Vd.c.(450Va.c.)													
CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.001	18	9.5	5.1	15.0	0.6	HCBB81/3C102-60****	0.001	23	9.2	4.8	20.0	0.6	HCBB81/3C102-80****
0.0012	18	9.7	5.3	15.0	0.6	HCBB81/3C122-60****	0.0012	23	9.3	4.9	20.0	0.6	HCBB81/3C122-80****
0.0015	18	10.2	5	15.0	0.6	HCBB81/3C152-60****	0.0015	23	9.7	5.3	20.0	0.6	HCBB81/3C152-80****
0.0018	18	10.3	5	15.0	0.6	HCBB81/3C182-60****	0.0018	23	9.5	5	20.0	0.6	HCBB81/3C182-80****
0.0022	18	10.5	5.1	15.0	0.6	HCBB81/3C222-60****	0.0022	23	10.3	5.1	20.0	0.6	HCBB81/3C222-80****

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%;
(2) "****"=terminal code and packaging code (see table 1);
(3) When the rated voltage is 1250V,the digit 8~9 is 3B.

Outline Dimensions

1600Vd.c.(450Va.c.)													
CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.0027	18	10.8	5.5	15.0	0.6	HCBB81/3C272-60****	0.0027	23	10.2	5	20.0	0.6	HCBB81/3C272-80****
0.003	18	11	5.8	15.0	0.6	HCBB81/3C302-60****	0.003	23	10.5	5.2	20.0	0.6	HCBB81/3C302-80****
0.0033	18	11.5	5.5	15.0	0.6	HCBB81/3C332-60****	0.0033	23	11.1	5.1	20.0	0.6	HCBB81/3C332-80****
0.0036	18	11.7	5.7	15.0	0.6	HCBB81/3C362-60****	0.0036	23	11.3	5.3	20.0	0.6	HCBB81/3C362-80****
0.0039	18	11.5	5.5	15.0	0.6	HCBB81/3C392-60****	0.0039	23	11.5	5.5	20.0	0.6	HCBB81/3C392-80****
0.0043	18	11.8	5.8	15.0	0.6	HCBB81/3C432-60****	0.0043	23	11.7	5.7	20.0	0.6	HCBB81/3C432-80****
0.0047	18	12	6	15.0	0.6	HCBB81/3C472-60****	0.0047	23	12	6	20.0	0.6	HCBB81/3C472-80****
0.0049	18	12	6.1	15.0	0.6	HCBB81/3C492-60****	0.0049	23	12	6	20.0	0.6	HCBB81/3C492-80****
0.0051	18	12.2	6.1	15.0	0.6	HCBB81/3C512-60****	0.0051	23	12.1	6.1	20.0	0.6	HCBB81/3C512-80****
0.0053	18	12.3	6.3	15.0	0.8	HCBB81/3C532-60****	0.0053	23	12.2	6.1	20.0	0.6	HCBB81/3C532-80****
0.0056	18	12.5	6.5	15.0	0.8	HCBB81/3C562-60****	0.0056	23	12.3	6.3	20.0	0.8	HCBB81/3C562-80****
0.0062	18	12.7	6.7	15.0	0.8	HCBB81/3C622-60****	0.0062	23	12.6	6.6	20.0	0.8	HCBB81/3C622-80****
0.0068	18	13	7	15.0	0.8	HCBB81/3C682-60****	0.0068	23	13	7	20.0	0.8	HCBB81/3C682-80****
0.0075	18	13.3	7.3	15.0	0.8	HCBB81/3C752-60****	0.0075	23	13.2	7.2	20.0	0.8	HCBB81/3C752-80****
0.0082	18	13.6	7.6	15.0	0.8	HCBB81/3C822-60****	0.0082	23	13.4	7.5	20.0	0.8	HCBB81/3C822-80****
0.0091	18	14	8	15.0	0.8	HCBB81/3C912-60****	0.0091	23	13.8	7.8	20.0	0.8	HCBB81/3C912-80****
0.01	18	14.3	8.3	15.0	0.8	HCBB81/3C103-60****	0.01	23	14.1	8.1	20.0	0.8	HCBB81/3C103-80****
0.012	18	15	9	15.0	0.8	HCBB81/3C123-60****	0.012	23	14.8	8.8	20.0	0.8	HCBB81/3C123-80****
0.015	18	16.9	9.5	15.0	0.8	HCBB81/3C153-60****	0.015	23	15.8	9.8	20.0	0.8	HCBB81/3C153-80****
0.018	18	17.8	10.2	15.0	0.8	HCBB81/3C183-60****	0.018	23	16.7	10.7	20.0	0.8	HCBB81/3C102-80****
2000Vd.c.(500Va.c.)													
CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.001	18	9.3	5	15.0	0.6	HCBB81/3D102-60****	0.001	23	9.2	4.8	20.0	0.6	HCBB81/3D102-80****
0.0012	18	9.5	5.1	15.0	0.6	HCBB81/3D122-60****	0.0012	23	9.3	5	20.0	0.6	HCBB81/3D122-80****
0.0015	18	10	4.8	15.0	0.6	HCBB81/3D152-60****	0.0015	23	9.7	5.3	20.0	0.6	HCBB81/3D152-80****
0.0018	18	10.3	5.1	15.0	0.6	HCBB81/3D182-60****	0.0018	23	9.5	5	20.0	0.6	HCBB81/3D182-80****
0.0022	18	10.7	5.5	15.0	0.6	HCBB81/3D222-60****	0.0022	23	10.3	5.1	20.0	0.6	HCBB81/3D222-80****
0.0027	18	11.2	5.9	15.0	0.6	HCBB81/3D272-60****	0.0027	23	10.7	5.5	20.0	0.6	HCBB81/3D272-80****
0.003	18	11.4	6.2	15.0	0.8	HCBB81/3D302-60****	0.003	23	11	5.7	20.0	0.6	HCBB81/3D302-80****

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%;
(2) "****"=terminal code and packaging code (see table 1).

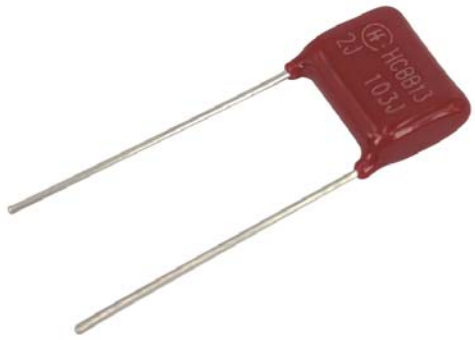
Outline Dimensions

2000Vd.c.(500Va.c.)													
C_R (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_R (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.0033	18	11.7	6.5	15.0	0.6	HCBB81/3D332-60****	0.0033	23	11.7	5.7	20.0	0.6	HCBB81/3D332-80****
0.0036	18	12	6.7	15.0	0.6	HCBB81/3D362-60****	0.0036	23	12	6	20.0	0.6	HCBB81/3D362-80****
0.0039	18	12.1	6.9	15.0	0.6	HCBB81/3D392-60****	0.0039	23	12.1	6.1	20.0	0.6	HCBB81/3D392-80****
0.0043	18	12.4	7.2	15.0	0.6	HCBB81/3D432-60****	0.0043	23	12.3	6.3	20.0	0.8	HCBB81/3D432-80****
0.0047	18	12.7	7.5	15.0	0.6	HCBB81/3D472-60****	0.0047	23	12.5	6.5	20.0	0.8	HCBB81/3D472-80****
0.0049	18	12.8	7.6	15.0	0.6	HCBB81/3D492-60****	0.0049	23	12.7	6.6	20.0	0.8	HCBB81/3D492-80****
0.0051	18	13	7.7	15.0	0.6	HCBB81/3D512-60****	0.0051	23	12.8	6.8	20.0	0.8	HCBB81/3D512-80****
0.0053	18	13.1	8	15.0	0.6	HCBB81/3D532-60****	0.0053	23	13	7	20.0	0.8	HCBB81/3D532-80****
0.0056	18	13.3	8.1	15.0	0.6	HCBB81/3D562-60****	0.0056	23	13	7	20.0	0.8	HCBB81/3D562-80****
0.0062	18	13.6	8.5	15.0	0.8	HCBB81/3D622-60****	0.0062	23	13.5	7.5	20.0	0.8	HCBB81/3D622-80****
0.0068	18	14	8.8	15.0	0.8	HCBB81/3D682-60****	0.0068	23	13.7	7.7	20.0	0.8	HCBB81/3D682-80****
0.0075	18	14.4	9.2	15.0	0.8	HCBB81/3D752-60****	0.0075	23	14	8	20.0	0.8	HCBB81/3D752-80****
0.0082	18	15.2	9.2	15.0	0.8	HCBB81/3D822-60****	0.0082	23	14.3	8.3	20.0	0.8	HCBB81/3D822-80****
0.0091	18	15.7	9.7	15.0	0.8	HCBB81/3D912-60****	0.0091	23	14.8	8.7	20.0	0.8	HCBB81/3D912-80****
0.01	18	16.1	10.1	15.0	0.8	HCBB81/3D103-60****	0.01	23	15	9.1	20.0	0.8	HCBB81/3D103-80****
0.012	18	17	11	15.0	0.8	HCBB81/3D123-60****	0.012	23	16	10	20.0	0.8	HCBB81/3D123-80****
							0.015	23	17	11	20.0	0.8	HCBB81/3D153-80****

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%;
(2) "****"=terminal code and packaging code (see table 1).

HCBB13

Non-inductive polypropylene film/foil capacitor(dipped)



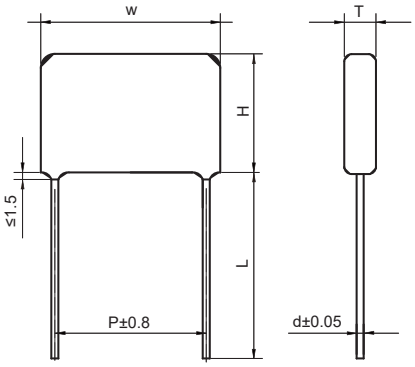
Features

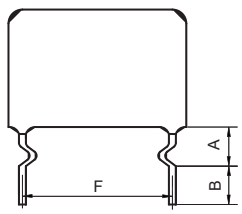
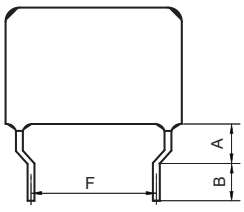
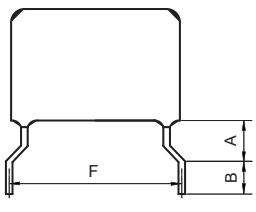
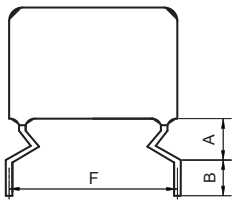
- Polypropylene film as medium,non-inductive wound type，flame retardant epoxy resin powder coating(UL94/V-0)
- Tinned copper-clad steel wire
- Low dissipation under high frequency , strong over-current ability,excellent shock resistance
- Excellent temperature characteristics and long life

Typical Applications

- Widely applied in high frequency, DC and pulse circuits of TV, PC monitor, lamp and ballast

Outline Drawing



Forming lead shapes			
I	II	III	IV
			
P≥F		P<F	
0mm≤P-F≤3mm	3mm<P-F≤8mm	3mm<F-P≤5mm	0mm<F-P≤3mm
F±0.8mm;A≤4.5mm;B=4.0±0.5mm			

Specifications

Reference standard	GB/T 10188 (IEC 60384-13)	
Climatic category	40/105/21	
Operating temperature range	-40℃~+105℃ (+85℃~+105℃:decreasing factor 1.25% per ℃ for U_R)	
Rated temperature	85℃	
Rated voltage	100Vd.c.,160Vd.c.,250Vd.c.,400Vd.c.,450Vd.c.,630Vd.c.,1000Vd.c.	
Capacitance range	0.00068μF~0.15μF	
Capacitance tolerance	±5%(J) , ±10%(K)	
Voltage proof	2.0U_R (5s)	
Dissipation factor	≤0.0010 (1kHz , 20℃)	
Insulation resistance	≥50000MΩ,C_N≤0.1μF ≥5000s,C_N>0.1μF	(20℃,100Vd.c,1min)

Ordering Information

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
H	C	B	B	1	3	/													(	×	×	×	)

Series code

DC rated voltage

- 2A=100V
- 2C=160V
- 2E=250V
- 2G=400V
- 2S=450V
- 2J=630V
- 3A=1000V

Rated capacitance value

For example:
103=10×10³ pF
=0.01μF

Capacitance tolerance

J=±5%
K=±10%

Pitch

- 3=7.5mm
- 4=10mm
- 6=15mm

Internal code

0=(Standard part)

lead form and packaging code

See table 1

Internal code

To identifiy when the special requirements needed

Table 1 Terminal code

Digit 16		Digit 17		Digit 18		Digit 19	
Code	explanation	Code	explanation	Code	explanation	Code	explanation
A	ammo-pack	2 3 4 6	F=5.0mm F=7.5mm F=10.0mm F=15.0mm	0	straight	1	Between two consecutive mounting holes P3=12.7mm, H=18.0mm (Pitch=5.0/7.5mm)
						5	P3=25.4mm, H=18.0mm (Pitch=10.0/15.0mm)
				1	crimped	A	Between two consecutive mounting holes P3=12.7mm, H=20.0mm (Pitch=5.0/7.5mm)
						E	P3=25.4mm, H=20.0mm (Pitch=10.0/15.0mm)
F	crimped	2 3 4 6	F=5.0mm F=7.5mm F=10.0mm F=15.0mm	0	B=4.0mm	0	B length tolerance ±0.5mm
C	straight lead (bulk package)	00	standard 18mm(min.)			0	length tolerance ±0.5mm
		40	lead length 4.0mm				

Outline Dimensions

100/160Vd.c.(63Va.c.)													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.00068	10.5	8.5	4.5	7.5	0.6	HCBB13/2A681-30****	0.0068	10.5	10.1	6.0	7.5	0.6	HCBB13/2A682-30****
0.00082	10.5	8.7	4.7	7.5	0.6	HCBB13/2A821-30****	0.0082	10.5	9.5	5.5	7.5	0.6	HCBB13/2A822-30****
0.001	10.5	8.5	4.5	7.5	0.6	HCBB13/2A102-30****	0.01	10.5	10.0	6.0	7.5	0.6	HCBB13/2A103-30****
0.0012	10.5	8.8	4.7	7.5	0.6	HCBB13/2A122-30****	0.0082	13.0	8.5	4.5	10.0	0.6	HCBB13/2A822-40****
0.0015	10.5	8.5	4.5	7.5	0.6	HCBB13/2A152-30****	0.01	13.0	8.8	4.8	10.0	0.6	HCBB13/2A103-40****
0.0018	10.5	8.7	4.5	7.5	0.6	HCBB13/2A182-30****	0.012	13.0	8.7	4.6	10.0	0.6	HCBB13/2A123-40****
0.0022	10.5	9.0	5.0	7.5	0.6	HCBB13/2A222-30****	0.015	13.0	9.5	4.7	10.0	0.6	HCBB13/2A153-40****
0.0027	10.5	9.2	5.0	7.5	0.6	HCBB13/2A272-30****	0.018	13.0	9.8	5.0	10.0	0.6	HCBB13/2A183-40****
0.0033	10.5	9.5	5.5	7.5	0.6	HCBB13/2A332-30****	0.022	13.0	10.2	5.5	10.0	0.6	HCBB13/2A223-40****
0.0039	10.5	9.0	5.0	7.5	0.6	HCBB13/2A392-30****	0.027	13.0	10.0	5.2	10.0	0.6	HCBB13/2A273-40****
0.0047	10.5	9.5	5.5	7.5	0.6	HCBB13/2A472-30****	0.033	13.0	10.5	5.5	10.0	0.6	HCBB13/2A333-40****
0.0056	10.5	9.7	5.7	7.5	0.6	HCBB13/2A562-30****	0.039	13.0	10.8	5.9	10.0	0.6	HCBB13/2A393-40****

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%;
(2) "****"=terminal code and packaging code (see table 1);
(3) When the rated voltage is 160V,the digit 8~9 is 2C.

Outline Dimensions

100/160Vd.c.(63Va.c.)													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.047	13.0	11.2	6.5	10.0	0.6	HCBB13/2A473-40****	0.056	18.0	10.7	5.8	15.0	0.6	HCBB13/2A563-60****
0.022	18.0	8.5	4.5	15.0	0.6	HCBB13/2A223-60****	0.068	18.0	11.0	6.3	15.0	0.6	HCBB13/2A683-60****
0.027	18.0	9.4	4.5	15.0	0.6	HCBB13/2A273-60****	0.082	18.0	12.0	6.5	15.0	0.6	HCBB13/2A823-60****
0.033	18.0	9.7	5.0	15.0	0.6	HCBB13/2A333-60****	0.1	18.0	12.7	7.0	15.0	0.6	HCBB13/2A104-60****
0.039	18.0	10.0	5.0	15.0	0.6	HCBB13/2A393-60****	0.12	18.0	13.2	7.6	15.0	0.6	HCBB13/2A124-60****
0.047	18.0	10.3	5.5	15.0	0.6	HCBB13/2A473-60****	0.15	18.0	14.0	8.5	15.0	0.6	HCBB13/2A154-60****
250Vd.c.(160Va.c.)													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.00068	10.5	8.6	4.5	7.5	0.6	HCBB13/2E681-30****	0.012	13.0	9.1	5.0	10.0	0.6	HCBB13/2E123-40****
0.00082	10.5	8.7	4.7	7.5	0.6	HCBB13/2E821-30****	0.015	13.0	10.0	5.1	10.0	0.6	HCBB13/2E153-40****
0.001	10.5	8.6	4.6	7.5	0.6	HCBB13/2E102-30****	0.018	13.0	10.2	5.5	10.0	0.6	HCBB13/2E183-40****
0.0012	10.5	8.8	4.7	7.5	0.6	HCBB13/2E122-30****	0.022	13.0	10.5	5.8	10.0	0.6	HCBB13/2E223-40****
0.0015	10.5	8.5	4.5	7.5	0.6	HCBB13/2E152-30****	0.027	13.0	11.0	6.2	10.0	0.6	HCBB13/2E273-40****
0.0018	10.5	8.7	4.5	7.5	0.6	HCBB13/2E182-30****	0.033	13.0	11.5	6.7	10.0	0.6	HCBB13/2E333-40****
0.0022	10.5	9.0	5.0	7.5	0.6	HCBB13/2E222-30****	0.039	13.0	12.0	7.2	10.0	0.6	HCBB13/2E393-40****
0.0027	10.5	9.2	5.0	7.5	0.6	HCBB13/2E272-30****	0.022	18.0	9.0	5.0	15.0	0.6	HCBB13/2E223-60****
0.0033	10.5	9.5	5.5	7.5	0.6	HCBB13/2E332-30****	0.027	18.0	9.8	5.0	15.0	0.6	HCBB13/2E273-60****
0.0039	10.5	9.0	5.0	7.5	0.6	HCBB13/2E392-30****	0.033	18.0	10.2	5.5	15.0	0.6	HCBB13/2E333-60****
0.0047	10.5	9.5	5.5	7.5	0.6	HCBB13/2E472-30****	0.039	18.0	10.5	5.7	15.0	0.6	HCBB13/2E393-60****
0.0056	10.5	9.7	5.7	7.5	0.6	HCBB13/2E562-30****	0.047	18.0	10.8	6.0	15.0	0.6	HCBB13/2E473-60****
0.0068	10.5	10.0	6.0	7.5	0.6	HCBB13/2E682-30****	0.056	18.0	11.8	6.3	15.0	0.6	HCBB13/2E563-60****
0.0082	10.5	9.5	5.6	7.5	0.6	HCBB13/2E822-30****	0.068	18.0	12.3	6.8	15.0	0.6	HCBB13/2E683-60****
0.01	10.5	10.0	6.0	7.5	0.6	HCBB13/2E103-30****	0.082	18.0	12.9	7.3	15.0	0.6	HCBB13/2E823-60****
0.0082	13.0	8.5	4.5	10.0	0.6	HCBB13/2E822-40****	0.1	18.0	13.5	7.8	15.0	0.6	HCBB13/2E104-60****
0.01	13.0	8.8	4.8	10.0	0.6	HCBB13/2E103-40****							

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%;
(2) "****"=terminal code and packaging code (see table 1);
(3) When the rated voltage is 160V,the digit 8~9 is 2C.

Outline Dimensions

400/450Vd.c.(200Va.c.)													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.00068	10.5	8.6	4.5	7.5	0.6	HCBB13/2G681-30****	0.01	13.0	9.0	5.0	10.0	0.6	HCBB13/2G103-40****
0.00082	10.5	8.7	4.7	7.5	0.6	HCBB13/2G821-30****	0.012	13.0	9.5	5.3	10.0	0.6	HCBB13/2G123-40****
0.001	10.5	8.6	4.5	7.5	0.6	HCBB13/2G102-30****	0.015	13.0	10.3	5.5	10.0	0.6	HCBB13/2G153-40****
0.0012	10.5	8.8	4.7	7.5	0.6	HCBB13/2G122-30****	0.018	13.0	10.7	5.8	10.0	0.6	HCBB13/2G183-40****
0.0015	10.5	8.5	4.5	7.5	0.6	HCBB13/2G152-30****	0.022	13.0	11.1	6.3	10.0	0.6	HCBB13/2G223-40****
0.0018	10.5	8.7	4.5	7.5	0.6	HCBB13/2G182-30****	0.027	13.0	11.6	6.8	10.0	0.6	HCBB13/2G273-40****
0.0022	10.5	8.9	4.9	7.5	0.6	HCBB13/2G222-30****	0.033	13.0	12.2	7.5	10.0	0.6	HCBB13/2G333-40****
0.0027	10.5	9.2	5.1	7.5	0.6	HCBB13/2G272-30****	0.039	13.0	12.7	7.9	10.0	0.6	HCBB13/2G393-40****
0.0033	10.5	9.5	5.4	7.5	0.6	HCBB13/2G332-30****	0.022	18.0	9.5	5.3	15.0	0.6	HCBB13/2G223-60****
0.0039	10.5	9.1	5.1	7.5	0.6	HCBB13/2G392-30****	0.027	18.0	10.3	5.5	15.0	0.6	HCBB13/2G273-60****
0.0047	10.5	9.4	5.4	7.5	0.6	HCBB13/2G472-30****	0.033	18.0	10.7	5.8	15.0	0.6	HCBB13/2G333-60****
0.0056	10.5	9.7	5.7	7.5	0.6	HCBB13/2G562-30****	0.039	18.0	11.0	6.2	15.0	0.6	HCBB13/2G393-60****
0.0068	10.5	10.1	6.0	7.5	0.6	HCBB13/2G682-30****	0.047	18.0	11.5	6.7	15.0	0.6	HCBB13/2G473-60****
0.0082	10.5	9.5	5.6	7.5	0.6	HCBB13/2G822-30****	0.056	18.0	12.5	6.9	15.0	0.6	HCBB13/2G563-60****
0.01	10.5	10.0	6.0	7.5	0.6	HCBB13/2G103-30****	0.068	18.0	13.0	7.5	15.0	0.6	HCBB13/2G683-60****
0.0082	13.0	8.8	4.8	10.0	0.6	HCBB13/2G822-40****							
630Vd.c.(220Va.c.)													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.00068	10.5	8.6	4.5	7.5	0.6	HCBB13/2J681-30****	0.0082	13.0	9.4	5.4	10.0	0.6	HCBB13/2J822-40****
0.00082	10.5	8.7	4.7	7.5	0.6	HCBB13/2J821-30****	0.01	13.0	9.8	5.7	10.0	0.6	HCBB13/2J103-40****
0.001	10.5	8.6	4.6	7.5	0.6	HCBB13/2J102-30****	0.012	13.0	10.1	6.1	10.0	0.6	HCBB13/2J123-40****
0.0012	10.5	8.8	4.7	7.5	0.6	HCBB13/2J122-30****	0.015	13.0	11.2	6.3	10.0	0.6	HCBB13/2J153-40****
0.0015	10.5	8.5	4.4	7.5	0.6	HCBB13/2J152-30****	0.018	13.0	11.6	6.8	10.0	0.6	HCBB13/2J183-40****
0.0018	10.5	8.7	4.6	7.5	0.6	HCBB13/2J182-30****	0.022	13.0	12.2	7.3	10.0	0.6	HCBB13/2J223-40****
0.0022	10.5	8.9	4.9	7.5	0.6	HCBB13/2J222-30****	0.027	13.0	12.8	8.0	10.0	0.6	HCBB13/2J273-40****
0.0027	10.5	9.2	5.1	7.5	0.6	HCBB13/2J272-30****	0.022	18.0	10.7	5.8	15.0	0.6	HCBB13/2J223-60****
0.0033	10.5	9.5	5.4	7.5	0.6	HCBB13/2J332-30****	0.027	18.0	11.1	6.3	15.0	0.6	HCBB13/2J273-60****
0.0039	10.5	9.1	5.1	7.5	0.6	HCBB13/2J392-30****	0.033	18.0	12.1	6.5	15.0	0.6	HCBB13/2J333-60****
0.0047	10.5	9.4	5.4	7.5	0.6	HCBB13/2J472-30****	0.039	18.0	12.6	6.9	15.0	0.6	HCBB13/2J393-60****
0.0056	10.5	9.7	5.7	7.5	0.6	HCBB13/2J562-30****	0.047	18.0	13.1	7.5	15.0	0.6	HCBB13/2J473-60****
0.0068	10.5	10.1	6.0	7.5	0.6	HCBB13/2J682-30****	0.056	18.0	14.7	7.5	15.0	0.6	HCBB13/2J563-60****

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%;"****"=terminal code and packaging code (see table 1);
(2) When the rated voltage is 450V,the digit 8~9 is 2S.

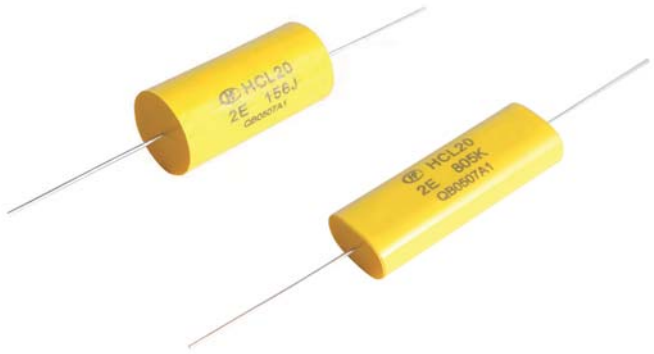
Outline Dimensions

1000Vd.c.(250Va.c.)													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.00068	10.5	8.6	4.5	7.5	0.6	HCBB13/3A681-30****	0.0018	13.0	9.1	5.1	10	0.6	HCBB13/3A182-40****
0.00082	10.5	8.7	4.7	7.5	0.6	HCBB13/3A821-30****	0.0022	13.0	9.4	5.3	10	0.6	HCBB13/3A222-40****
0.001	10.5	9.0	4.9	7.5	0.6	HCBB13/3A102-30****	0.0027	13.0	9.7	5.7	10	0.6	HCBB13/3A272-40****
0.0012	10.5	9.2	5.1	7.5	0.6	HCBB13/3A122-30****	0.0033	13.0	10.0	6.0	10	0.6	HCBB13/3A332-40****
0.0015	10.5	9.5	5.5	7.5	0.6	HCBB13/3A152-30****	0.0039	13.0	10.9	6.1	10	0.6	HCBB13/3A392-40****
0.0018	10.5	9.8	5.8	7.5	0.6	HCBB13/3A182-30****	0.0047	13.0	11.3	6.5	10	0.6	HCBB13/3A472-40****
0.0022	10.5	10.2	6.1	7.5	0.6	HCBB13/3A222-30****	0.0056	13.0	11.7	6.9	10	0.6	HCBB13/3A562-40****
0.001	13.0	9.2	5.1	10	0.6	HCBB13/3A102-40****	0.0068	13.0	12.2	7.4	10	0.6	HCBB13/3A682-40****
0.0012	13.0	9.4	5.4	10	0.6	HCBB13/3A122-40****	0.0082	13.0	12.8	7.9	10	0.6	HCBB13/3A822-40****
0.0015	13.0	8.9	4.8	10	0.6	HCBB13/3A152-40****	0.01	13.0	13.4	8.6	10	0.6	HCBB13/3A103-40****
1000Vd.c.(250Va.c.)													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.0027	18.0	8.7	4.6	15	0.6	HCBB13/3A272-60****	0.01	18.0	11.2	6.4	15	0.6	HCBB13/3A103-60****
0.0039	18.0	9.7	4.8	15	0.6	HCBB13/3A392-60****	0.012	18.0	12.1	6.5	15	0.6	HCBB13/3A123-60****
0.0047	18.0	9.9	5.1	15	0.6	HCBB13/3A472-60****	0.015	18.0	12.7	7.1	15	0.6	HCBB13/3A153-60****
0.0056	18.0	10.1	5.3	15	0.6	HCBB13/3A562-60****	0.018	18.0	14.3	7.1	15	0.6	HCBB13/3A183-60****
0.0068	18.0	10.4	5.6	15	0.6	HCBB13/3A682-60****	0.022	18.0	14.9	7.7	15	0.6	HCBB13/3A223-60****
0.0082	18.0	10.8	5.9	15	0.6	HCBB13/3A822-60****							

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%;
(2) "****"=terminal code and packaging code (see table 1) .

HCL20

Metallized polyester film capacitor(Axial-type)



Features

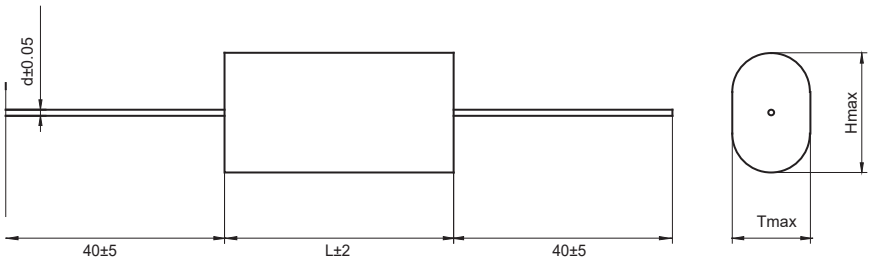
- Metallized polyester film,non-inductive wound construction
- Small size,excellent self-healing property
- Wrapped with polyester adhesive tape and ends filled

Typical Applications

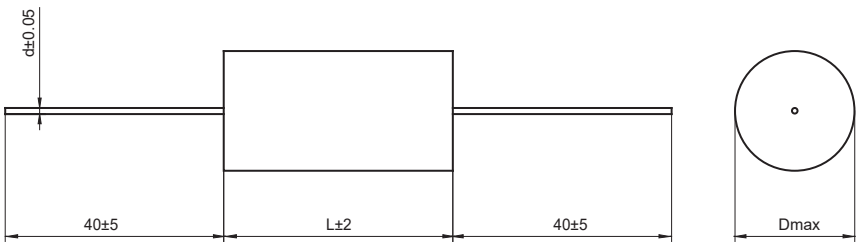
- Suitable for blocking,by-pass,coupling and decoupling

Outline Drawing

Flat Type:



Round Type:



Specifications

Reference Standard	GB/T 7332 (IEC 60384-2)		
Climatic Category	40/105/21		
Operating Temperature Range	-40℃~+105℃		
Rated Temperature	85℃		
Rated Voltage	63Vd.c.,100Vd.c.,250Vd.c.,400Vd.c.,630Vd.c.,1000Vd.c.		
Capacitance range	0.0010μF ~ 10μF		
Capacitance tolerance	±5%(J),±10%(K),±20%(M)		
Voltage proof	1.6U_R (5s)		
Dissipation factor	≤0.0100 (1kHz,20℃)		
Insulation resistance	U_R≤100V	≥3750MΩ,C_N≤0.33μF ≥1250s,C_N>0.33μF	20℃,10Vd.c.,1min
	U_R>100V	≥15000MΩ,C_N≤0.33μF ≥7500s,C_N>0.33μF	20℃,100Vd.c.,1min

Ordering Information

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
H	C	L	2	0	/														(	×	×	×	)

Series code

DC rated voltage

1J=63V
2A=100V
2E=250V
2G=400V
2J=630V
3A=1000V

Rated capacitance value

For example:
105=10×10^5 pF
=1μF

Capacitance tolerance

J=±5%
K=±10%
M=±20%

Pitch

1=12.5mm
2=14.7mm
4=19.7mm
8=27.5mm
C=33mm
F=37.7mm

Internal code

0=Round Type
1=Flat Type

Standard lead length code

standard lead length=40mm

0=(Standard part)

Internal code

To identifiy when the special requirements needed

Outline Dimensions

Round Type

63Vd.c.(40Va.c.)									
C_N (μF)	D (mm)	L (mm)	d (mm)	OrderingInformation	C_N (μF)	D (mm)	L (mm)	d (mm)	Ordering Information
0.1	5.2	14.7	0.6	HCL20/1J104-200C000	1.8	7.1	19.7	0.8	HCL20/1J185-400C000
0.15	5.8	14.7	0.6	HCL20/1J154-200C000	2.0	7.3	19.7	0.8	HCL20/1J205-400C000
0.22	5.5	14.7	0.6	HCL20/1J224-200C000	2.2	7.7	19.7	0.8	HCL20/1J225-400C000
0.27	5.7	14.7	0.6	HCL20/1J274-200C000	2.7	8.2	19.7	0.8	HCL20/1J275-400C000
0.33	6.1	14.7	0.6	HCL20/1J334-200C000	3.3	8.9	19.7	0.8	HCL20/1J335-400C000
0.39	6.4	14.7	0.6	HCL20/1J394-200C000	3.9	9.4	19.7	0.8	HCL20/1J395-400C000
0.47	5.6	14.7	0.6	HCL20/1J474-200C000	4.7	9.4	27.5	0.8	HCL20/1J475-800C000
0.56	5.9	14.7	0.6	HCL20/1J564-200C000	5.6	10.0	27.5	0.8	HCL20/1J565-800C000
0.68	5.9	14.7	0.6	HCL20/1J684-200C000	6.8	10.8	27.5	0.8	HCL20/1J685-800C000
0.82	6.2	14.7	0.6	HCL20/1J824-200C000	8.2	11.6	27.5	0.8	HCL20/1J825-800C000
1.0	6.8	14.7	0.8	HCL20/1J105-200C000	6.8	9.9	33	0.8	HCL20/1J685-C00C000
1.2	7.1	14.7	0.8	HCL20/1J125-200C000	8.2	10.6	33	0.8	HCL20/1J825-C00C000
1.5	6.7	19.7	0.8	HCL20/1J155-400C000	10.0	11.4	33	0.8	HCL20/1J106-C00C000
100Vd.c.(63Va.c.)									
C_N (μF)	D (mm)	L (mm)	d (mm)	OrderingInformation	C_N (μF)	D (mm)	L (mm)	d (mm)	Ordering Information
0.047	5.0	14.7	0.6	HCL20/2A473-200C000	0.68	7.9	14.7	0.8	HCL20/2A684-200C000
0.056	5.2	14.7	0.6	HCL20/2A563-200C000	0.82	8.5	14.7	0.8	HCL20/2A824-200C000
0.068	5.5	14.7	0.6	HCL20/2A683-200C000	1	6.9	19.7	0.8	HCL20/2A105-400C000
0.082	5.8	14.7	0.6	HCL20/2A823-200C000	1.2	7.3	19.7	0.8	HCL20/2A125-400C000
0.1	6.1	14.7	0.6	HCL20/2A104-200C000	1.5	7.8	19.7	0.8	HCL20/2A155-400C000
0.12	5.6	14.7	0.6	HCL20/2A124-200C000	1.8	8.3	19.7	0.8	HCL20/2A185-400C000
0.15	5.9	14.7	0.6	HCL20/2A154-200C000	2.2	9.0	19.7	0.8	HCL20/2A225-400C000
0.18	6.3	14.7	0.6	HCL20/2A184-200C000	2.7	9.7	19.7	0.8	HCL20/2A275-400C000
0.22	5.5	14.7	0.6	HCL20/2A224-200C000	3.3	9.2	27.5	0.8	HCL20/2A335-800C000
0.27	5.8	14.7	0.6	HCL20/2A274-200C000	3.9	9.8	27.5	0.8	HCL20/2A395-800C000
0.33	6.2	14.7	0.6	HCL20/2A334-200C000	4.7	9.6	33	0.8	HCL20/2A475-C00C000
0.39	6.5	14.7	0.6	HCL20/2A394-200C000	5.6	10.3	33	0.8	HCL20/2A565-C00C000
0.47	7.0	14.7	0.6	HCL20/2A474-200C000	6.8	11.1	33	0.8	HCL20/2A685-C00C000
0.56	7.4	14.7	0.6	HCL20/2A564-200C000	8.2	11.9	33	0.8	HCL20/2A825-C00C000
					10	12.9	33	0.8	HCL20/2A106-C00C000

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%,M=±20%.

Outline Dimensions

Round Type

250Vd.c.(160Va.c.)									
C_N (μF)	D (mm)	L (mm)	d (mm)	OrderingInformation	C_N (μF)	D (mm)	L (mm)	d (mm)	Ordering Information
0.047	5.7	14.7	0.6	HCL20/2E473-200C000	0.12	6.5	14.7	0.6	HCL20/2E124-200C000
0.056	6.0	14.7	0.6	HCL20/2E563-200C000	0.15	6.3	14.7	0.6	HCL20/2E154-200C000
0.068	6.3	14.7	0.6	HCL20/2E683-200C000	0.18	6.7	14.7	0.6	HCL20/2E184-200C000
0.082	6.7	14.7	0.6	HCL20/2E823-200C000	0.22	7.2	14.7	0.6	HCL20/2E224-200C000
0.1	6.1	14.7	0.6	HCL20/2E104-200C000	0.27	7.7	14.7	0.6	HCL20/2E274-200C000
0.33	7.0	19.7	0.6	HCL20/2E334-400C000	3.9	13.8	33	0.8	HCL20/2E395-C00C000
0.39	7.4	19.7	0.6	HCL20/2E394-400C000	4.7	14.9	33	0.8	HCL20/2E475-C00C000
0.47	7.9	19.7	0.6	HCL20/2E474-400C000	5.6	16.1	33	1	HCL20/2E565-C00C000
0.56	8.3	19.7	0.6	HCL20/2E564-400C000	6.8	17.5	33	1	HCL20/2E685-C00C000
0.68	8.9	19.7	0.6	HCL20/2E684-400C000	8.2	19.0	33	1	HCL20/2E825-C00C000
0.82	9.6	19.7	0.6	HCL20/2E824-400C000	10	20.8	33	1	HCL20/2E106-C00C000
1	10.3	19.7	0.8	HCL20/2E105-400C000	3.3	12.1	37.7	0.8	HCL20/2E335-F00C000
1.2	9.6	27.5	0.8	HCL20/2E125-800C000	3.9	12.9	37.7	0.8	HCL20/2E395-F00C000
1.5	10.5	27.5	0.8	HCL20/2E155-800C000	4.7	13.9	37.7	0.8	HCL20/2E475-F00C000
1.8	11.2	27.5	0.8	HCL20/2E185-800C000	5.6	15.0	37.7	0.8	HCL20/2E565-F00C000
2.2	11.0	33	0.8	HCL20/2E225-C00C000	6.8	16.3	37.7	1	HCL20/2E685-F00C000
2.7	11.9	33	0.8	HCL20/2E275-C00C000	8.2	17.6	37.7	1	HCL20/2E825-F00C000
3.3	12.9	33	0.8	HCL20/2E335-C00C000	10	19.5	37.7	1	HCL20/2E106-F00C000
400Vd.c.(200Va.c.)									
C_N (μF)	D (mm)	L (mm)	d (mm)	OrderingInformation	C_N (μF)	D (mm)	L (mm)	d (mm)	Ordering Information
0.022	5.6	14.7	0.6	HCL20/2G223-200C000	0.39	10.0	19.7	0.6	HCL20/2G394-400C000
0.027	5.9	14.7	0.6	HCL20/2G273-200C000	0.47	8.7	27.5	0.6	HCL20/2G474-800C000
0.033	6.2	14.7	0.6	HCL20/2G333-200C000	0.56	9.6	27.5	0.6	HCL20/2G564-800C000
0.039	6.0	14.7	0.6	HCL20/2G393-200C000	0.68	10.3	27.5	0.6	HCL20/2G684-800C000
0.047	6.3	14.7	0.6	HCL20/2G473-200C000	0.82	11.0	27.5	0.6	HCL20/2G824-800C000
0.056	6.6	14.7	0.6	HCL20/2G563-200C000	1	10.8	33	0.6	HCL20/2G105-C00C000
0.068	6.3	14.7	0.6	HCL20/2G683-200C000	1.2	11.6	33	0.6	HCL20/2G125-C00C000
0.082	6.7	14.7	0.6	HCL20/2G823-200C000	1.5	12.6	33	0.8	HCL20/2G155-C00C000
0.1	7.1	14.7	0.6	HCL20/2G104-200C000	1.8	13.6	33	0.8	HCL20/2G185-C00C000
0.12	7.6	14.7	0.6	HCL20/2G124-200C000	2.2	14.8	33	0.8	HCL20/2G225-C00C000

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%,M=±20%.

Outline Dimensions

Round Type

400Vd.c.(200Va.c.)									
C_N (μF)	D (mm)	L (mm)	d (mm)	OrderingInformation	C_N (μF)	D (mm)	L (mm)	d (mm)	Ordering Information
0.15	7.2	19.7	0.6	HCL20/2G154-400C000	2.7	16.1	33	1.0	HCL20/2G275-C00C000
0.18	7.6	19.7	0.6	HCL20/2G184-400C000	3.3	17.6	33	1.0	HCL20/2G335-C00C000
0.22	8.1	19.7	0.6	HCL20/2G224-400C000	3.9	17.8	37.7	1.0	HCL20/2G395-F00C000
0.27	8.7	19.7	0.6	HCL20/2G274-400C000	4.7	19.3	37.7	1.0	HCL20/2G475-F00C000
0.33	9.4	19.7	0.6	HCL20/2G334-400C000	5.6	20.8	37.7	1.0	HCL20/2G565-F00C000
					6.8	22.7	37.7	1.0	HCL20/2G685-F00C000
630Vd.c.(220Va.c.)									
C_N (μF)	D (mm)	L (mm)	d (mm)	OrderingInformation	C_N (μF)	D (mm)	L (mm)	d (mm)	Ordering Information
0.001	4.8	14.7	0.6	HCL20/2J102-200C000	0.0033	5.0	14.7	0.6	HCL20/2J332-200C000
0.0012	4.8	14.7	0.6	HCL20/2J122-200C000	0.0039	5.5	14.7	0.6	HCL20/2J392-200C000
0.0015	5.0	14.7	0.6	HCL20/2J152-200C000	0.0047	5.5	14.7	0.6	HCL20/2J472-200C000
0.0018	5.0	14.7	0.6	HCL20/2J182-200C000	0.0056	5.5	14.7	0.6	HCL20/2J562-200C000
0.0022	5.0	14.7	0.6	HCL20/2J222-200C000	0.0068	5.5	14.7	0.6	HCL20/2J682-200C000
0.0027	5.0	14.7	0.6	HCL20/2J272-200C000	0.0082	6.0	14.7	0.6	HCL20/2J822-200C000
0.01	5.9	14.7	0.6	HCL20/2J103-200C000	0.18	9.8	27.5	0.8	HCL20/2J184-800C000
0.012	6.2	14.7	0.6	HCL20/2J123-200C000	0.22	10.3	27.5	0.8	HCL20/2J224-800C000
0.015	6.5	14.7	0.6	HCL20/2J153-200C000	0.27	11.0	27.5	0.8	HCL20/2J274-800C000
0.018	7.0	14.7	0.8	HCL20/2J183-200C000	0.33	10.8	33	0.8	HCL20/2J334-C00C000
0.022	7.5	14.7	0.8	HCL20/2J223-200C000	0.39	11.6	33	0.8	HCL20/2J394-C00C000
0.027	7.7	14.7	0.8	HCL20/2J273-200C000	0.47	12.5	33	0.8	HCL20/2J474-C00C000
0.033	6.8	19.7	0.8	HCL20/2J333-400C000	0.56	13.5	33	0.8	HCL20/2J564-C00C000
0.039	6.8	19.7	0.8	HCL20/2J393-400C000	0.68	14.5	33	0.8	HCL20/2J684-C00C000
0.047	7.2	19.7	0.8	HCL20/2J473-400C000	0.82	15.5	33	1	HCL20/2J824-C00C000
0.056	7.6	19.7	0.8	HCL20/2J563-400C000	1	16.5	33	1	HCL20/2J105-C00C000
0.068	8.2	19.7	0.8	HCL20/2J683-400C000	1.2	17.1	37.7	1	HCL20/2J125-F00C000
0.082	8.6	19.7	0.8	HCL20/2J823-400C000	1.5	18.8	37.7	1	HCL20/2J155-F00C000
0.1	7.9	27.5	0.8	HCL20/2J104-800C000	1.8	20.3	37.7	1	HCL20/2J185-F00C000
0.12	8.5	27.5	0.8	HCL20/2J124-800C000	2.2	20.0	37.7	1	HCL20/2J225-F00C000
0.15	9.0	27.5	0.8	HCL20/2J154-800C000	2.7	21.8	37.7	1	HCL20/2J275-F00C000
					3.3	23.8	37.7	1	HCL20/2J335-F00C000

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%,M=±20%.

Outline Dimensions

Round Type

1000Vd.c.(250Va.c.)									
C_N (μF)	D (mm)	L (mm)	d (mm)	OrderingInformation	C_N (μF)	D (mm)	L (mm)	d (mm)	Ordering Information
0.001	5.5	14.7	0.6	HCL20/3A102-200C000	0.033	6.5	27.5	0.6	HCL20/3A333-800C000
0.0012	5.5	14.7	0.6	HCL20/3A122-200C000	0.039	6.7	27.5	0.6	HCL20/3A393-800C000
0.0015	5.8	14.7	0.6	HCL20/3A152-200C000	0.047	7.1	27.5	0.8	HCL20/3A473-800C000
0.0018	5.8	14.7	0.6	HCL20/3A182-200C000	0.056	7.5	27.5	0.8	HCL20/3A563-800C000
0.0022	5.8	14.7	0.6	HCL20/3A222-200C000	0.068	7.9	27.5	0.8	HCL20/3A683-800C000
0.0027	6.1	14.7	0.6	HCL20/3A272-200C000	0.082	8.5	27.5	0.8	HCL20/3A823-800C000
0.0033	6.2	14.7	0.6	HCL20/3A332-200C000	0.1	9.0	27.5	0.8	HCL20/3A104-800C000
0.0039	6.5	14.7	0.6	HCL20/3A392-200C000	0.12	9.6	27.5	0.8	HCL20/3A124-800C000
0.0047	5.8	14.7	0.6	HCL20/3A472-200C000	0.15	10.2	33	0.8	HCL20/3A154-C00C000
0.0056	5.8	14.7	0.6	HCL20/3A562-200C000	0.18	10.9	33	0.8	HCL20/3A184-C00C000
0.0068	6.0	14.7	0.6	HCL20/3A682-200C000	0.22	11.8	33	0.8	HCL20/3A224-C00C000
0.0082	6.6	14.7	0.6	HCL20/3A822-200C000	0.27	12.5	33	0.8	HCL20/3A274-C00C000
0.01	6.0	19.7	0.6	HCL20/3A103-400C000	0.33	13.8	33	0.8	HCL20/3A334-C00C000
0.012	6.2	19.7	0.6	HCL20/3A123-400C000	0.39	14.8	33	0.8	HCL20/3A394-C00C000
0.015	6.6	19.7	0.6	HCL20/3A153-400C000	0.47	16.0	33	0.8	HCL20/3A474-C00C000
0.018	6.9	19.7	0.6	HCL20/3A183-400C000	0.56	17.0	37.7	1.0	HCL20/3A564-F00C000
0.022	7.3	19.7	0.6	HCL20/3A223-400C000	0.68	18.5	37.7	1.0	HCL20/3A684-F00C000
0.027	7.8	19.7	0.6	HCL20/3A273-400C000	0.82	20.2	37.7	1.0	HCL20/3A824-F00C000
					1	22.0	37.7	1.0	HCL20/3A105-F00C000

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%,M=±20%.

Outline Dimensions

Flat Type

100Vd.c.(63Va.c.)											
C_N (μF)	L (mm)	H (mm)	T (mm)	d (mm)	OrderingInformation	C_N (μF)	L (mm)	H (mm)	T (mm)	d (mm)	OrderingInformation
0.22	14.7	8.5	5.0	0.6	HCL20/2A224-210C000	2.7	27.5	11.5	7.3	0.8	HCL20/2A275-810C000
0.27	14.7	9.0	5.5	0.6	HCL20/2A274-210C000	3.3	27.5	13.5	7.0	0.8	HCL20/2A335-810C000
0.33	14.7	9.5	6.0	0.6	HCL20/2A334-210C000	3.9	27.5	14.0	7.5	0.8	HCL20/2A395-810C000
0.39	14.7	10.0	6.2	0.6	HCL20/2A394-210C000	4.7	27.5	15.0	8.5	0.8	HCL20/2A475-810C000
0.47	14.7	10.6	7.0	0.6	HCL20/2A474-210C000	5.6	27.5	14.5	7.5	0.8	HCL20/2A565-810C000
0.56	14.7	11.2	7.6	0.6	HCL20/2A564-210C000	6.8	27.5	15.0	8.5	0.8	HCL20/2A685-810C000
0.68	14.7	11.9	8.5	0.6	HCL20/2A684-210C000	8.2	27.5	16.0	9.5	0.8	HCL20/2A825-810C000
0.82	14.7	10.8	6.5	0.6	HCL20/2A824-210C000	10.0	27.5	17.0	10.5	0.8	HCL20/2A106-810C000
1.0	14.7	11.5	7.0	0.6	HCL20/2A105-210C000	12.0	27.5	18.3	11.5	0.8	HCL20/2A126-810C000
1.2	14.7	12.1	7.8	0.6	HCL20/2A125-210C000	15.0	27.5	20.5	12.5	0.8	HCL20/2A156-810C000
1.5	14.7	13.0	8.7	0.6	HCL20/2A155-210C000	18.0	27.5	22.0	13.8	0.8	HCL20/2A186-810C000
1.8	14.7	13.9	9.5	0.6	HCL20/2A185-210C000	20.0	27.5	23.0	14.5	0.8	HCL20/2A206-810C000
2.2	14.7	14.9	10.6	0.6	HCL20/2A225-210C000	22.0	27.5	23.7	15.5	0.8	HCL20/2A226-810C000
0.47	19.7	8.8	5.2	0.8	HCL20/2A474-410C000	23.0	27.5	24.0	15.8	0.8	HCL20/2A236-810C000
0.56	19.7	9.2	5.7	0.8	HCL20/2A564-410C000	25.0	27.5	24.8	16.5	0.8	HCL20/2A256-810C000
0.68	19.7	9.7	6.2	0.8	HCL20/2A684-410C000	1.0	33	9.5	5.2	0.8	HCL20/2A105-C10C000
0.82	19.7	10.7	6.5	0.8	HCL20/2A824-410C000	1.2	33	10.0	5.5	0.8	HCL20/2A125-C10C000
1.0	19.7	11.5	7.0	0.8	HCL20/2A105-410C000	1.5	33	10.5	6.3	0.8	HCL20/2A155-C10C000
1.2	19.7	10.5	6.0	0.8	HCL20/2A125-410C000	1.8	33	11.0	7.0	0.8	HCL20/2A185-C10C000
1.5	19.7	11.5	6.5	0.8	HCL20/2A155-400C000	2.2	33	12.0	7.5	0.8	HCL20/2A225-C10C000
1.8	19.7	12.2	7.0	0.8	HCL20/2A185-410C000	2.7	33	13.2	8.0	0.8	HCL20/2A275-C10C000
2.2	19.7	13.8	7.2	0.8	HCL20/2A225-410C000	3.3	33	10.3	6.0	0.8	HCL20/2A335-C10C000
2.7	19.7	13.5	8.5	0.8	HCL20/2A275-410C000	3.9	33	11.5	6.2	0.8	HCL20/2A395-C10C000
3.3	19.7	15.5	9.0	0.8	HCL20/2A335-410C000	4.7	33	12.0	6.8	0.8	HCL20/2A475-C10C000
3.9	19.7	16.2	9.7	0.8	HCL20/2A395-410C000	5.6	33	12.5	7.5	0.8	HCL20/2A565-C10C000
4.7	19.7	15.6	8.9	0.8	HCL20/2A475-410C000	6.8	33	13.5	8.2	0.8	HCL20/2A685-C10C000
5.6	19.7	16.5	9.8	0.8	HCL20/2A565-410C000	8.2	33	15.0	8.3	0.8	HCL20/2A825-C10C000
6.8	19.7	17.5	11.0	0.8	HCL20/2A685-410C000	10.0	33	16.0	9.5	0.8	HCL20/2A106-C10C000
8.2	19.7	18.8	12.0	0.8	HCL20/2A825-410C000	12.0	33	17.0	10.5	0.8	HCL20/2A126-C10C000
10.0	19.7	20.0	13.5	0.8	HCL20/2A106-410C000	15.0	33	18.5	11.5	0.8	HCL20/2A156-C10C000

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%,M=±20%.

Outline Dimensions

Flat Type

100Vd.c.(63Va.c.)											
C_N (μF)	L (mm)	H (mm)	T (mm)	d (mm)	OrderingInformation	C_N (μF)	L (mm)	H (mm)	T (mm)	d (mm)	Ordering Information
1.2	27.5	10.5	6.5	0.8	HCL20/2A125-810C000	18.0	33	20.5	12.0	0.8	HCL20/2A186-C10C000
1.5	27.5	11.5	7.0	0.8	HCL20/2A155-810C000	20.0	33	21.0	13.0	0.8	HCL20/2A206-C10C000
2.2	27.5	10.5	6.2	0.8	HCL20/2A225-810C000	22.0	33	21.8	13.5	0.8	HCL20/2A226-C10C000
2.5	27.5	11.3	7.0	0.8	HCL20/2A255-810C000	23.0	33	22.0	14.0	0.8	HCL20/2A236-C10C000
						25.0	33	22.5	14.5	0.8	HCL20/2A256-C10C000
250Vd.c.(160Va.c.)											
C_N (μF)	L (mm)	H (mm)	T (mm)	d (mm)	OrderingInformation	C_N (μF)	L (mm)	H (mm)	T (mm)	d (mm)	OrderingInformation
0.12	14.7	7.8	4.5	0.6	HCL20/2E124-210C000	3.9	27.5	16.2	11.0	0.8	HCL20/2E395-810C000
0.15	14.7	8.2	4.5	0.6	HCL20/2E154-210C000	4.7	27.5	17.3	12.0	0.8	HCL20/2E475-810C000
0.18	14.7	9.0	4.7	0.6	HCL20/2E184-210C000	5.6	27.5	19.0	12.5	0.8	HCL20/2E565-810C000
0.22	14.7	9.5	5.2	0.6	HCL20/2E224-210C000	6.8	27.5	20.5	14.0	0.8	HCL20/2E685-810C000
0.27	14.7	10.0	5.5	0.6	HCL20/2E274-210C000	8.2	27.5	23.0	14.5	0.8	HCL20/2E825-810C000
0.33	14.7	10.6	6.2	0.6	HCL20/2E334-210C000	10.0	27.5	24.7	16.5	0.8	HCL20/2E106-810C000
0.39	14.7	11.0	6.8	0.6	HCL20/2E394-210C000	12.0	27.5	26.4	18.0	0.8	HCL20/2E126-810C000
0.47	14.7	11.7	7.5	0.6	HCL20/2E474-210C000	0.82	33	9.7	5.5	0.8	HCL20/2E824-C10C000
0.56	14.7	12.4	8.0	0.6	HCL20/2E564-210C000	1.0	33	10.2	6.0	0.8	HCL20/2E105-C10C000
0.68	14.7	13.2	9.0	0.6	HCL20/2E684-210C000	1.2	33	10.7	6.5	0.8	HCL20/2E125-C10C000
0.82	14.7	13.0	8.8	0.6	HCL20/2E824-210C000	1.5	33	11.5	7.0	0.8	HCL20/2E155-C10C000
1.00	14.7	14.5	9.5	0.6	HCL20/2E105-210C000	1.8	33	12.0	7.8	0.8	HCL20/2E185-C10C000
1.20	14.7	15.4	10.3	0.6	HCL20/2E125-210C000	2.2	33	12.0	7.8	0.8	HCL20/2E225-C10C000
0.39	19.7	9.5	5.2	0.8	HCL20/2E394-410C000	2.7	33	13.0	8.5	0.8	HCL20/2E275-C10C000
0.47	19.7	10.0	5.6	0.8	HCL20/2E474-410C000	3.3	33	13.8	9.5	0.8	HCL20/2E335-C10C000
0.56	19.7	10.5	6.0	0.8	HCL20/2E564-410C000	3.9	33	14.7	10.3	0.8	HCL20/2E395-C10C000
0.68	19.7	11.0	6.7	0.8	HCL20/2E684-410C000	4.7	33	15.7	11.5	0.8	HCL20/2E475-C10C000
0.82	19.7	11.7	7.5	0.8	HCL20/2E824-410C000	5.6	33	17.0	12.0	0.8	HCL20/2E565-C10C000
1.0	19.7	12.4	8.0	0.8	HCL20/2E105-410C000	6.8	33	18.5	13.3	0.8	HCL20/2E685-C10C000
1.2	19.7	12.3	8.0	0.8	HCL20/2E125-410C000	8.2	33	19.5	14.0	0.8	HCL20/2E825-C10C000
1.5	19.7	14.5	8.0	0.8	HCL20/2E155-410C000	10.0	33	22.0	15.5	0.8	HCL20/2E106-C10C000
1.8	19.7	15.5	8.8	0.8	HCL20/2E185-410C000	12.0	33	23.7	17.0	0.8	HCL20/2E126-C10C000
2.2	19.7	16.5	9.8	0.8	HCL20/2E225-410C000	15.0	33	26.0	19.2	0.8	HCL20/2E156-C10C000

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%,M=±20%.

Outline Dimensions

Flat Type

250Vd.c.(160Va.c.)											
C_N (μF)	L (mm)	H (mm)	T (mm)	d (mm)	OrderingInformation	C_N (μF)	L (mm)	H (mm)	T (mm)	d (mm)	OrderingInformation
2.7	19.7	17.5	11.0	0.8	HCL20/2E275-410C000	2.2	37.7	11.5	7.2	0.8	HCL20/2E225-F10C000
3.3	19.7	19.0	12.0	0.8	HCL20/2E335-410C000	2.7	37.7	12.3	8.0	0.8	HCL20/2E275-F10C000
3.9	19.7	20.0	13.3	0.8	HCL20/2E395-410C000	3.3	37.7	13.0	8.8	0.8	HCL20/2E335-F10C000
4.7	19.7	21.5	14.7	0.8	HCL20/2E475-410C000	3.9	37.7	13.8	9.5	0.8	HCL20/2E395-F10C000
1.0	27.5	11.0	6.5	0.8	HCL20/2E105-810C000	4.7	37.7	15.2	10.0	0.8	HCL20/2E475-F10C000
1.2	27.5	11.5	7.0	0.8	HCL20/2E125-810C000	6.8	37.7	17.5	12.2	0.8	HCL20/2E685-F10C000
1.5	27.5	12.2	8.0	0.8	HCL20/2E155-810C000	8.2	37.7	19.5	12.7	0.8	HCL20/2E825-F10C000
1.8	27.5	13.5	8.2	0.8	HCL20/2E185-810C000	10.0	37.7	20.8	14.0	0.8	HCL20/2E106-F10C000
2.2	27.5	14.5	9.0	0.8	HCL20/2E225-810C000	12.0	37.7	22.3	15.5	1.0	HCL20/2E126-F10C000
2.7	27.5	14.2	9.0	0.8	HCL20/2E275-810C000	15.0	37.7	24.3	17.5	1.0	HCL20/2E156-F10C000
3.3	27.5	15.0	10.0	0.8	HCL20/2E335-810C000	18.0	37.7	26.0	19.5	1.0	HCL20/2E186-F10C000
						20.0	37.7	27.0	20.5	1.0	HCL20/2E206-F10C000
400Vd.c.(200Va.c.)											
C_N (μF)	L (mm)	H (mm)	T (mm)	d (mm)	OrderingInformation	C_N (μF)	L (mm)	H (mm)	T (mm)	d (mm)	OrderingInformation
0.047	14.7	8.0	4.5	0.6	HCL20/2G473-210C000	2.7	27.5	21.0	14.5	0.8	HCL20/2G275-810C000
0.056	14.7	8.5	5.0	0.6	HCL20/2G563-210C000	3.3	27.5	22.0	13.5	0.8	HCL20/2G335-810C000
0.068	14.7	9.5	5.0	0.6	HCL20/2G683-210C000	3.9	27.5	23.2	15.0	0.8	HCL20/2G395-810C000
0.082	14.7	9.8	5.5	0.6	HCL20/2G823-210C000	4.7	27.5	25.0	16.5	0.8	HCL20/2G475-810C000
0.10	14.7	10.5	6.0	0.6	HCL20/2G104-210C000	5.6	27.5	26.5	18.2	0.8	HCL20/2G565-810C000
0.12	14.7	10.8	6.5	0.6	HCL20/2G124-210C000	0.39	33	9.8	5.8	0.8	HCL20/2G394-C10C000
0.15	14.7	11.5	7.2	0.6	HCL20/2G154-210C000	0.47	33	10.2	6.0	0.8	HCL20/2G474-C10C000
0.18	14.7	12.2	8.0	0.6	HCL20/2G184-210C000	0.56	33	10.7	6.5	0.8	HCL20/2G564-C10C000
0.22	14.7	13.0	8.7	0.6	HCL20/2G224-210C000	0.68	33	11.5	7.0	0.8	HCL20/2G684-C10C000
0.27	14.7	12.5	8.2	0.6	HCL20/2G274-210C000	0.82	33	12.0	7.8	0.8	HCL20/2G824-C10C000
0.33	14.7	13.3	9.0	0.6	HCL20/2G334-210C000	1.0	33	12.0	7.8	0.8	HCL20/2G105-C10C000
0.39	14.7	14.0	9.8	0.6	HCL20/2G394-210C000	1.2	33	12.8	8.3	0.8	HCL20/2G125-C10C000
0.47	14.7	15.0	10.7	0.6	HCL20/2G474-210C000	1.5	33	14.0	9.0	0.8	HCL20/2G155-C10C000
0.12	19.7	9.5	5.0	0.8	HCL20/2G124-410C000	1.8	33	15.0	9.7	0.8	HCL20/2G185-C10C000
0.15	19.7	10.0	5.5	0.8	HCL20/2G154-410C000	2.2	33	16.0	10.8	0.8	HCL20/2G225-C10C000
0.18	19.7	10.3	6.0	0.8	HCL20/2G184-410C000	2.7	33	18.0	11.2	0.8	HCL20/2G275-510C000

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%,M=±20%.

Outline Dimensions

Flat Type

400Vd.c.(200Va.c.)											
C_N (μF)	L (mm)	H (mm)	T (mm)	d (mm)	OrderingInformation	C_N (μF)	L (mm)	H (mm)	T (mm)	d (mm)	OrderingInformation
0.22	19.7	10.9	6.6	0.8	HCL20/2G224-410C000	3.3	33	19.2	12.5	0.8	HCL20/2G335-510C000
0.27	19.7	11.6	7.2	0.8	HCL20/2G274-410C000	3.9	33	21.5	13.0	0.8	HCL20/2G395-510C000
0.33	19.7	12.8	7.5	0.8	HCL20/2G334-410C000	4.7	33	23.0	14.5	0.8	HCL20/2G475-510C000
0.39	19.7	12.2	7.2	0.8	HCL20/2G394-410C000	5.6	33	24.5	16.0	0.8	HCL20/2G565-510C000
0.47	19.7	13.0	8.0	0.8	HCL20/2G474-410C000	6.8	33	26.0	17.8	1.0	HCL20/2G685-510C000
0.56	19.7	14.0	8.5	0.8	HCL20/2G564-410C000	8.2	33	28.7	19.0	1.0	HCL20/2G825-510C000
0.68	19.7	14.5	9.3	0.8	HCL20/2G684-410C000	10.0	33	31.0	21.0	1.0	HCL20/2G106-510C000
0.82	19.7	15.5	10.3	0.8	HCL20/2G824-410C000	1.0	37.7	12.1	7.8	0.8	HCL20/2G105-710C000
1.0	19.7	16.5	11.5	0.8	HCL20/2G105-410C000	1.2	37.7	12.8	8.5	0.8	HCL20/2G125-710C000
1.2	19.7	17.5	12.5	0.8	HCL20/2G125-410C000	1.5	37.7	13.8	9.5	0.8	HCL20/2G155-710C000
0.33	27.5	10.0	5.5	0.8	HCL20/2G334-810C000	1.8	37.7	14.7	10.5	0.8	HCL20/2G185-710C000
0.39	27.5	10.5	6.0	0.8	HCL20/2G394-810C000	2.2	37.7	15.8	11.5	0.8	HCL20/2G225-710C000
0.47	27.5	11.0	6.5	0.8	HCL20/2G474-810C000	2.7	37.7	17.0	12.7	0.8	HCL20/2G275-710C000
0.56	27.5	11.5	7.2	0.8	HCL20/2G564-810C000	3.3	37.7	18.3	14.0	0.8	HCL20/2G335-710C000
0.68	27.5	12.2	8.0	0.8	HCL20/2G684-810C000	3.9	37.7	18.0	13.7	0.8	HCL20/2G395-710C000
0.82	27.5	13.0	8.5	0.8	HCL20/2G824-810C000	4.7	37.7	20.5	13.9	0.8	HCL20/2G475-710C000
1.0	27.5	14.5	9.2	0.8	HCL20/2G105-810C000	5.6	37.7	22.0	15.2	0.8	HCL20/2G565-710C000
1.2	27.5	15.2	10.0	0.8	HCL20/2G125-810C000	6.8	37.7	23.6	17.0	1.0	HCL20/2G685-710C000
1.5	27.5	16.5	11.3	0.8	HCL20/2G155-810C000	8.2	37.7	26.0	18.0	1.0	HCL20/2G825-710C000
1.8	27.5	17.5	12.5	0.8	HCL20/2G185-810C000	10.0	37.7	28.2	20.0	1.0	HCL20/2G106-710C000
2.2	27.5	19.5	13.0	0.8	HCL20/2G225-810C000						
630Vd.c.(220Va.c.)											
C_N (μF)	L (mm)	H (mm)	T (mm)	d (mm)	OrderingInformation	C_N (μF)	L (mm)	H (mm)	T (mm)	d (mm)	OrderingInformation
0.012	14.7	8.2	4.7	0.6	HCL20/2J123-210C000	0.47	27.5	13.2	8.8	0.8	HCL20/2J474-410C000
0.015	14.7	8.6	5.0	0.6	HCL20/2J153-210C000	0.56	27.5	14.0	9.6	0.8	HCL20/2J564-410C000
0.018	14.7	9.5	5.2	0.6	HCL20/2J183-210C000	0.68	27.5	15.0	10.6	0.8	HCL20/2J684-410C000
0.022	14.7	9.9	5.6	0.6	HCL20/2J223-210C000	0.82	27.5	16.3	11.2	0.8	HCL20/2J824-410C000
0.027	14.7	10.4	6.0	0.6	HCL20/2J273-210C000	1.0	27.5	17.5	12.4	0.8	HCL20/2J105-410C000
0.033	14.7	11.0	6.6	0.6	HCL20/2J333-210C000	1.2	27.5	18.7	13.6	0.8	HCL20/2J125-410C000
0.039	14.7	11.5	7.0	0.6	HCL20/2J393-210C000	1.5	27.5	20.4	15.2	0.8	HCL20/2J155-410C000

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%,M=±20%.

Outline Dimensions

Flat Type

630Vd.c.(220Va.c.)											
C_N (μF)	L (mm)	H (mm)	T (mm)	d (mm)	OrderingInformation	C_N (μF)	L (mm)	H (mm)	T (mm)	d (mm)	OrderingInformation
0.047	14.7	10.8	6.5	0.6	HCL20/2J473-210C000	1.8	27.5	22.6	15.9	0.8	HCL20/2J185-410C000
0.056	14.7	11.3	7.0	0.6	HCL20/2J563-210C000	2.2	27.5	25.2	17.0	1.0	HCL20/2J225-410C000
0.068	14.7	10.5	6.0	0.6	HCL20/2J683-210C000	0.22	33	9.9	5.5	0.8	HCL20/2J224-510C000
0.082	14.7	11.0	6.7	0.6	HCL20/2J823-210C000	0.27	33	10.4	6.1	0.8	HCL20/2J274-510C000
0.10	14.7	12.1	7.0	0.6	HCL20/2J104-210C000	0.33	33	11.0	6.6	0.8	HCL20/2J334-510C000
0.12	14.7	12.8	7.7	0.6	HCL20/2J124-210C000	0.39	33	11.5	7.2	0.8	HCL20/2J394-510C000
0.15	14.7	13.6	8.5	0.6	HCL20/2J154-210C000	0.47	33	12.6	7.5	0.8	HCL20/2J474-510C000
0.039	19.7	8.4	5.0	0.8	HCL20/2J393-310C000	0.56	33	13.3	8.2	0.8	HCL20/2J564-510C000
0.047	19.7	8.8	5.2	0.8	HCL20/2J473-310C000	0.68	33	14.5	9.0	0.8	HCL20/2J684-510C000
0.056	19.7	9.6	5.3	0.8	HCL20/2J563-310C000	0.82	33	15.0	9.9	0.8	HCL20/2J824-510C000
0.068	19.7	10.0	5.8	0.8	HCL20/2J683-310C000	1.0	33	16.0	10.9	0.8	HCL20/2J105-510C000
0.082	19.7	10.6	6.3	0.8	HCL20/2J823-310C000	1.2	33	17.9	11.3	0.8	HCL20/2J125-510C000
0.10	19.7	11.2	6.8	0.8	HCL20/2J104-310C000	1.5	33	19.3	12.7	0.8	HCL20/2J155-510C000
0.12	19.7	11.7	7.5	0.8	HCL20/2J124-310C000	1.8	33	20.6	13.9	0.8	HCL20/2J185-510C000
0.15	19.7	12.6	8.2	0.8	HCL20/2J154-310C000	2.0	33	21.5	14.7	0.8	HCL20/2J205-510C000
0.18	19.7	13.3	9.0	0.8	HCL20/2J184-310C000	2.2	33	22.2	15.5	0.8	HCL20/2J225-510C000
0.22	19.7	12.6	7.5	0.8	HCL20/2J224-310C000	2.7	33	24.0	17.3	0.8	HCL20/2J275-510C000
0.27	19.7	13.4	8.3	0.8	HCL20/2J274-310C000	3.3	33	25.9	19.2	0.8	HCL20/2J335-510C000
0.33	19.7	14.3	9.2	0.8	HCL20/2J334-310C000	3.9	33	28.5	20.2	0.8	HCL20/2J395-510C000
0.39	19.7	15.5	10.0	0.8	HCL20/2J394-310C000	1.0	37.7	14.7	10.5	0.8	HCL20/2J105-710C000
0.47	19.7	16.5	11.0	0.8	HCL20/2J474-310C000	1.2	37.7	16.1	11.0	0.8	HCL20/2J125-710C000
0.56	19.7	17.1	12.0	0.8	HCL20/2J564-310C000	1.5	37.7	17.5	12.3	0.8	HCL20/2J155-710C000
0.12	27.5	9.1	4.8	0.8	HCL20/2J124-410C000	1.8	37.7	18.6	13.5	0.8	HCL20/2J185-710C000
0.15	27.5	9.6	5.2	0.8	HCL20/2J154-410C000	2.2	37.7	20.0	15.0	1.0	HCL20/2J225-710C000
0.18	27.5	10.0	5.7	0.8	HCL20/2J184-410C000	2.7	37.7	22.5	16.0	1.0	HCL20/2J275-710C000
0.22	27.5	10.5	6.2	0.8	HCL20/2J224-410C000	3.3	37.7	24.3	17.5	1.0	HCL20/2J335-710C000
0.27	27.5	11.0	6.8	0.8	HCL20/2J274-410C000	3.9	37.7	25.9	19.3	1.0	HCL20/2J395-710C000
0.33	27.5	12.0	7.5	0.8	HCL20/2J334-410C000	4.7	37.7	28.7	20.5	1.0	HCL20/2J475-710C000
0.39	27.5	12.4	8.0	0.8	HCL20/2J394-410C000	5.6	37.7	30.8	22.5	1.0	HCL20/2J565-710C000

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%,M=±20%.

Outline Dimensions

Flat Type

1000Vd.c.(250Va.c.)											
C_N (μF)	L (mm)	H (mm)	T (mm)	d (mm)	OrderingInformation	C_N (μF)	L (mm)	H (mm)	T (mm)	d (mm)	OrderingInformation
0.0018	12.7	7.8	4.5	0.6	HCL20/3A182-110C000	0.039	27.5	9.0	5.0	0.6	HCL20/3A393-410C000
0.0022	12.7	8.2	4.7	0.6	HCL20/3A222-110C000	0.047	27.5	9.5	5.3	0.6	HCL20/3A473-410C000
0.0027	12.7	7.6	4.5	0.6	HCL20/3A272-110C000	0.056	27.5	10.0	5.8	0.6	HCL20/3A563-410C000
0.0033	12.7	8.5	4.5	0.6	HCL20/3A332-110C000	0.068	27.5	10.6	6.3	0.6	HCL20/3A683-410C000
0.0039	12.7	9.0	4.5	0.6	HCL20/3A392-110C000	0.082	27.5	11.5	6.6	0.6	HCL20/3A823-410C000
0.0047	14.7	7.6	4.0	0.6	HCL20/3A472-210C000	0.1	27.5	12.3	7.3	0.8	HCL20/3A104-410C000
0.0056	14.7	7.9	4.5	0.6	HCL20/3A562-210C000	0.15	33	13.0	8.8	0.8	HCL20/3A154-510C000
0.0068	14.7	8.8	4.5	0.6	HCL20/3A682-210C000	0.18	33	14.0	9.7	0.8	HCL20/3A184-510C000
0.0082	14.7	9.2	5.0	0.6	HCL20/3A822-210C000	0.22	33	15.0	10.7	0.8	HCL20/3A224-510C000
0.01	19.7	7.6	4.2	0.6	HCL20/3A103-310C000	0.27	33	14.5	10.0	0.8	HCL20/3A274-510C000
0.012	19.7	8.4	4.2	0.6	HCL20/3A123-310C000	0.33	33	16.0	10.8	0.8	HCL20/3A334-510C000
0.015	19.7	8.9	4.6	0.6	HCL20/3A153-310C000	0.39	33	16.8	11.8	0.8	HCL20/3A394-510C000
0.018	19.7	9.5	5.0	0.6	HCL20/3A183-310C000	0.47	33	18.0	13.0	0.8	HCL20/3A474-510C000
0.022	19.7	9.7	5.5	0.6	HCL20/3A223-310C000	0.56	37.7	19.0	12.3	0.8	HCL20/3A564-710C000
0.027	19.7	10.5	6.0	0.6	HCL20/3A273-310C000	0.68	37.7	20.3	13.7	0.8	HCL20/3A684-710C000
0.033	27.5	8.8	4.5	0.6	HCL20/3A333-410C000	0.82	37.7	21.7	15.0	0.8	HCL20/3A824-710C000
						1	37.7	23.5	16.9	1	HCL20/3A105-710C000

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%,M=±20%.

HCBB20

Metallized polypropylene film capacitor(Axial-type)

Features

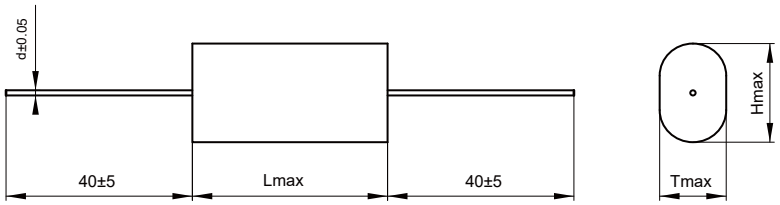
- Metallized polypropylene film, non-inductive type and axial lead
- Small size,excellent-healing property
- Wrapped with polyester adhesive tape and ends filled with flame retardant epoxy resin

Typical Applications

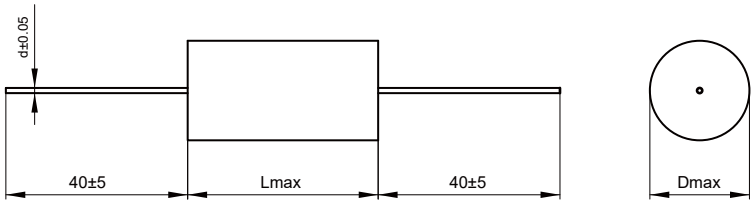
- Timing,oscillator circuits
- Temperature compensation circuits
- Power factor correction and coupling capacitor in SMPS application

Outline Drawing

Flat Type:



Round Type:



Specifications

Reference Standard	GB/T 10190 (IEC 60384-16)	
Climatic Category	40/85/21	
Operating temperature range	-40℃~+85℃	
Rated temperature	85℃	
Rated voltage	100Vd.c./160Vd.c.,250Vd.c.,400Vd.c.,630Vd.c.,1000Vd.c.,1250Vd.c.	
Capacitance tolerance	0.0010μF～20μF	
Capacitance tolerance	±3%(H), ±5%(J), ±10%(K), ±20%(M)	
Voltage proof	1.6U_R (5s)	
Dissipation factor	⩽0.0010 (1kHz, 20℃)	
Insulation resistance	⩾100000MΩ,C_N⩽0.33μF ⩾30000s,C_N＞0.33μF	(20℃,100Vd.c.,1min)

Ordering Information

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
H	C	B	B	2	0	/														(	×	×	×	)

Series code

DC rated voltage

2A=100V
2C=160V
2E=250V
2G=400V
2J=630V
3A=1000V
3B=1250V

Rated capacitance value

For example:
105=10×10^5 pF
=1μF

Capacitance tolerance

J=±5%
K=±10%

Pitch

2=14.7mm
4=19.7mm
8=27.5mm
C=33mm
F=37.7mm
J=43mm
N=47.7mm
T=57.7mm

Axial code

0=Round Type
1=Flat Type

Internal code

0=(Standard part)

Lead length code

Standard lead length= 40mm

Internal code

To identifiy when the special requirements needed

Outline Dimensions

Round Type

100Vd.c.(63Va.c.) / 160Vd.c.(100Va.c.)									
C_N (μF)	D (mm)	L (mm)	d (mm)	Ordering Information	C_N (μF)	D (mm)	L (mm)	d (mm)	Ordering Information
0.056	5.9	14.7	0.6	HCBB20/2A563-200C000	2.2	13.2	27.5	0.8	HCBB20/2A225-800C000
0.068	6.3	14.7	0.6	HCBB20/2A683-200C000	2.7	14.3	27.5	0.8	HCBB20/2A275-800C000
0.082	6.4	14.7	0.6	HCBB20/2A823-200C000	3.3	15.8	27.5	0.8	HCBB20/2A335-800C000
0.10	7.2	14.7	0.6	HCBB20/2A104-200C000	3.9	17.0	27.5	0.8	HCBB20/2A395-800C000
0.12	6.4	14.7	0.6	HCBB20/2A124-200C000	4.7	18.4	27.5	0.8	HCBB20/2A475-800C000
0.15	7.0	14.7	0.6	HCBB20/2A154-200C000	1.8	11.1	27.5	0.8	HCBB20/2A185-800C000
0.18	7.0	14.7	0.6	HCBB20/2A184-200C000	2.2	12.0	27.5	0.8	HCBB20/2A225-800C000
0.22	7.6	14.7	0.8	HCBB20/2A224-200C000	2.7	13.0	27.5	0.8	HCBB20/2A275-800C000
0.27	8.2	14.7	0.8	HCBB20/2A274-200C000	3.3	14.1	27.5	0.8	HCBB20/2A335-800C000
0.27	7.2	19.7	0.8	HCBB20/2A274-400C000	3.9	15.3	27.5	0.8	HCBB20/2A395-800C000
0.33	7.7	19.7	0.8	HCBB20/2A334-400C000	4.7	16.6	27.5	0.8	HCBB20/2A475-800C000
0.39	8.2	19.7	0.8	HCBB20/2A394-400C000	5.6	17.9	27.5	1.0	HCBB20/2A565-800C000
0.47	8.3	19.7	0.8	HCBB20/2A474-400C000	6.8	19.5	27.5	1.0	HCBB20/2A685-800C000
0.56	8.9	19.7	0.8	HCBB20/2A564-400C000	8.2	21.2	27.5	1.0	HCBB20/2A825-800C000
0.68	8.2	27.5	0.8	HCBB20/2A684-800C000	6.8	17.2	43	1.0	HCBB20/2A685-J00C000
0.82	8.8	27.5	0.8	HCBB20/2A824-800C000	8.2	18.6	43	1.0	HCBB20/2A825-J00C000
1.0	9.7	27.5	0.8	HCBB20/2A105-800C000	10.0	20.2	43	1.0	HCBB20/2A106-J00C000
1.2	10.4	27.5	0.8	HCBB20/2A125-800C000	12.0	19.5	57.7	1.0	HCBB20/2A126-J00C000
1.5	11.3	27.5	0.8	HCBB20/2A155-800C000	15.0	21.3	57.7	1.0	HCBB20/2A156-J00C000
1.8	12.2	27.5	0.8	HCBB20/2A185-800C000	18.0	23.2	57.7	1.0	HCBB20/2A186-J00C000
					20.0	24.3	57.7	1.0	HCBB20/2A206-J00C000
250Vd.c.(160Va.c.)									
C_N (μF)	D (mm)	L (mm)	d (mm)	Ordering Information	C_N (μF)	D (mm)	L (mm)	d (mm)	Ordering Information
0.015	5.9	14.7	0.6	HCBB20/2E153-200C000	0.22	7.7	19.7	0.8	HCBB20/2E224-400C000
0.018	6.2	14.7	0.6	HCBB20/2E183-200C000	0.27	8.3	19.7	0.8	HCBB20/2E274-400C000
0.022	6.6	14.7	0.6	HCBB20/2E223-200C000	0.33	8.9	19.7	0.8	HCBB20/2E334-400C000
0.027	5.9	14.7	0.6	HCBB20/2E273-200C000	0.39	9.8	19.7	0.8	HCBB20/2E394-400C000
0.033	6.3	14.7	0.6	HCBB20/2E333-200C000	0.47	10.6	19.7	0.8	HCBB20/2E474-400C000
0.039	6.0	14.7	0.6	HCBB20/2E393-200C000	0.56	11.3	19.7	0.8	HCBB20/2E564-400C000
0.047	6.3	14.7	0.6	HCBB20/2E473-200C000	0.68	12.2	19.7	0.8	HCBB20/2E684-400C000

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%.

Outline Dimensions

Round Type

250Vd.c.(160Va.c.)									
C_N (μF)	D (mm)	L (mm)	d (mm)	Ordering Information	C_N (μF)	D (mm)	L (mm)	d (mm)	Ordering Information
0.056	6.7	14.7	0.6	HCBB20/2E563-200C000	0.82	13.2	19.7	0.8	HCBB20/2E824-400C000
0.068	6.3	14.7	0.6	HCBB20/2E683-200C000	1.0	14.6	19.7	0.8	HCBB20/2E105-400C000
0.082	6.7	14.7	0.6	HCBB20/2E823-200C000	1.2	15.7	19.7	0.8	HCBB20/2E125-400C000
0.10	7.2	14.7	0.8	HCBB20/2E104-200C000	0.47	8.5	27.5	0.8	HCBB20/2E474-800C000
0.12	7.6	14.7	0.8	HCBB20/2E124-200C000	0.56	9.0	27.5	0.8	HCBB20/2E564-800C000
0.15	8.3	14.7	0.8	HCBB20/2E154-200C000	0.68	10.0	27.5	0.8	HCBB20/2E684-800C000
0.18	8.9	14.7	0.8	HCBB20/2E184-200C000	0.82	10.8	27.5	0.8	HCBB20/2E824-800C000
1.0	11.7	27.5	0.8	HCBB20/2E105-800C000	3.3	17.7	27.5	0.8	HCBB20/2E335-800C000
1.2	12.6	27.5	0.8	HCBB20/2E125-800C000	3.9	19.0	27.5	0.8	HCBB20/2E395-800C000
1.5	13.8	27.5	0.8	HCBB20/2E155-800C000	4.7	20.6	27.5	0.8	HCBB20/2E475-800C000
1.8	15.1	27.5	0.8	HCBB20/2E185-800C000	5.6	22.5	27.5	0.8	HCBB20/2E565-800C000
2.2	16.4	27.5	0.8	HCBB20/2E225-800C000	6.0	23.2	27.5	0.8	HCBB20/2E605-800C000
2.7	18.1	27.5	0.8	HCBB20/2E275-800C000	4.7	18.0	43	1.0	HCBB20/2E475-J00C000
1.0	10.7	27.5	0.8	HCBB20/2E105-800C000	5.6	19.4	43	1.0	HCBB20/2E565-900C000
1.2	11.5	27.5	0.8	HCBB20/2E125-800C000	6.8	21.1	43	1.0	HCBB20/2E685-900C000
1.5	12.5	27.5	0.8	HCBB20/2E155-800C000	8.2	23.1	43	1.0	HCBB20/2E825-900C000
1.8	13.5	27.5	0.8	HCBB20/2E185-800C000	10.0	22.0	57.7	1.0	HCBB20/2E106-C00C000
2.0	14.1	27.5	0.8	HCBB20/2E205-800C000	11.0	22.9	57.7	1.0	HCBB20/2E116-C00C000
2.2	14.9	27.5	0.8	HCBB20/2E225-800C000	12.0	23.7	57.7	1.0	HCBB20/2E126-C00C000
2.7	16.2	27.5	0.8	HCBB20/2E275-800C000	15.0	26.1	57.7	1.0	HCBB20/2E156-C00C000
3.0	16.9	27.5	0.8	HCBB20/2E305-800C000	16.0	26.8	57.7	1.0	HCBB20/2E166-C00C000
					18.0	28.2	57.7	1.0	HCBB20/2E186-C00C000
400Vd.c.(200Va.c.)									
C_N (μF)	D (mm)	L (mm)	d (mm)	Ordering Information	C_N (μF)	D (mm)	L (mm)	d (mm)	Ordering Information
0.010	5.6	14.7	0.6	HCBB20/2G103-200C000	0.27	9.9	19.7	0.8	HCBB20/2G274-400C000
0.012	5.9	14.7	0.6	HCBB20/2G123-200C000	0.33	10.7	19.7	0.8	HCBB20/2G334-400C000
0.015	5.9	14.7	0.6	HCBB20/2G153-200C000	0.39	11.4	19.7	0.8	HCBB20/2G394-400C000
0.018	6.2	14.7	0.6	HCBB20/2G183-200C000	0.47	12.3	19.7	0.8	HCBB20/2G474-400C000
0.022	6.1	14.7	0.6	HCBB20/2G223-200C000	0.56	13.2	19.7	0.8	HCBB20/2G564-400C000
0.027	5.9	14.7	0.6	HCBB20/2G273-200C000	0.33	8.5	27.5	0.8	HCBB20/2G334-800C000

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%.

Outline Dimensions

Round Type

400Vd.c.(200Va.c.)									
C_N (μF)	D (mm)	L (mm)	d (mm)	Ordering Information	C_N (μF)	D (mm)	L (mm)	d (mm)	Ordering Information
0.033	6.3	14.7	0.6	HCBB20/2G333-200C000	0.39	9.4	27.5	0.8	HCBB20/2G394-800C000
0.039	6.0	14.7	0.6	HCBB20/2G393-200C000	0.47	10.1	27.5	0.8	HCBB20/2G474-800C000
0.047	6.3	14.7	0.6	HCBB20/2G473-200C000	0.56	10.8	27.5	0.8	HCBB20/2G564-800C000
0.056	6.7	14.7	0.6	HCBB20/2G563-200C000	0.68	11.6	27.5	0.8	HCBB20/2G684-800C000
0.068	7.2	14.7	0.8	HCBB20/2G683-200C000	0.82	12.5	27.5	0.8	HCBB20/2G824-800C000
0.082	7.7	14.7	0.8	HCBB20/2G823-200C000	1.0	13.6	27.5	0.8	HCBB20/2G105-800C000
0.10	8.2	14.7	0.8	HCBB20/2G104-200C000	1.2	14.9	27.5	0.8	HCBB20/2G125-800C000
0.12	8.8	14.7	0.8	HCBB20/2G124-200C000	1.5	16.4	27.5	0.8	HCBB20/2G155-800C000
0.15	10.0	14.7	0.8	HCBB20/2G154-200C000	1.8	17.7	27.5	0.8	HCBB20/2G185-800C000
0.10	6.8	19.7	0.8	HCBB20/2G104-400C000	1.0	12.4	27.5	0.8	HCBB20/2G105-800C000
0.12	7.2	19.7	0.8	HCBB20/2G124-400C000	1.2	13.3	27.5	0.8	HCBB20/2G125-800C000
0.15	7.7	19.7	0.8	HCBB20/2G154-400C000	1.5	14.8	27.5	0.8	HCBB20/2G155-800C000
0.18	8.3	19.7	0.8	HCBB20/2G184-400C000	1.8	16.0	27.5	0.8	HCBB20/2G185-800C000
0.22	8.9	19.7	0.8	HCBB20/2G224-400C000	2.2	17.4	27.5	0.8	HCBB20/2G225-800C000
2.7	19.0	27.5	0.8	HCBB20/2G275-800C000	5.6	23.0	43	0.8	HCBB20/2G565-J00C000
3.3	18.2	43	0.8	HCBB20/2G335-J00C000	6.8	21.8	57.7	0.8	HCBB20/2G685-T00C000
3.9	19.5	43	0.8	HCBB20/2G395-J00C000	8.2	23.6	57.7	0.8	HCBB20/2G825-T00C000
4.7	21.1	43	0.8	HCBB20/2G475-J00C000	10.0	25.7	57.7	0.8	HCBB20/2G106-T00C000
630Vd.c.(220Va.c.)									
C_N (μF)	D (mm)	L (mm)	d (mm)	Ordering Information	C_N (μF)	D (mm)	L (mm)	d (mm)	Ordering Information
0.0068	5.1	14.7	0.6	HCBB20/2J682-200C000	0.27	12.3	27.5	0.8	HCBB20/2J274-800C000
0.0082	5.4	14.7	0.6	HCBB20/2J822-200C000	0.33	13.3	27.5	0.8	HCBB20/2J334-800C000
0.010	5.6	14.7	0.6	HCBB20/2J103-200C000	0.39	14.2	27.5	0.8	HCBB20/2J394-800C000
0.012	5.9	14.7	0.6	HCBB20/2J123-200C000	0.47	15.6	27.5	0.8	HCBB20/2J474-800C000
0.015	5.9	14.7	0.6	HCBB20/2J153-200C000	0.33	12.2	27.5	0.8	HCBB20/2J334-800C000
0.018	6.2	14.7	0.6	HCBB20/2J183-200C000	0.39	13.0	27.5	0.8	HCBB20/2J394-800C000
0.022	6.6	14.7	0.6	HCBB20/2J223-200C000	0.47	14.0	27.5	0.8	HCBB20/2J474-800C000
0.027	7.1	14.7	0.8	HCBB20/2J273-200C000	0.56	15.2	27.5	0.8	HCBB20/2J564-800C000
0.033	6.8	19.7	0.8	HCBB20/2J333-400C000	0.68	16.5	27.5	0.8	HCBB20/2J684-800C000
0.039	7.2	19.7	0.8	HCBB20/2J393-400C000	0.82	17.8	27.5	0.8	HCBB20/2J824-800C000

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%.

Outline Dimensions

Round Type

630Vd.c.(220Va.c.)									
C_N (μF)	D (mm)	L (mm)	d (mm)	Ordering Information	C_N (μF)	D (mm)	L (mm)	d (mm)	Ordering Information
0.047	7.6	19.7	0.8	HCBB20/2J473-400C000	1.0	19.4	27.5	0.8	HCBB20/2J105-800C000
0.056	8.0	19.7	0.8	HCBB20/2J563-400C000	1.2	21.0	27.5	0.8	HCBB20/2J125-800C000
0.068	8.6	19.7	0.8	HCBB20/2J683-400C000	1.0	17.1	43	1.0	HCBB20/2J105-J00C000
0.082	9.5	19.7	0.8	HCBB20/2J823-400C000	1.2	18.4	43	1.0	HCBB20/2J125-J00C000
0.10	10.2	19.7	0.8	HCBB20/2J104-400C000	1.5	20.2	43	1.0	HCBB20/2J155-J00C000
0.12	10.9	19.7	0.8	HCBB20/2J124-400C000	1.8	22.1	43	1.0	HCBB20/2J185-J00C000
0.15	11.9	19.7	0.8	HCBB20/2J154-400C000	2.2	24.1	43	1.0	HCBB20/2J225-J00C000
0.10	8.2	27.5	0.8	HCBB20/2J104-800C000	2.7	22.7	57.7	1.0	HCBB20/2J275-T00C000
0.12	8.8	27.5	0.8	HCBB20/2J124-800C000	3.3	24.7	57.7	1.0	HCBB20/2J335-T00C000
0.15	9.8	27.5	0.8	HCBB20/2J154-800C000	3.9	22.1	57.7	1.0	HCBB20/2J395-T00C000
0.18	10.5	27.5	0.8	HCBB20/2J184-800C000	4.7	23.9	57.7	1.0	HCBB20/2J475-T00C000
0.22	11.3	27.5	0.8	HCBB20/2J224-800C000	5.6	25.7	57.7	1.0	HCBB20/2J565-T00C000
					6.8	28.0	57.7	1.0	HCBB20/2J685-T00C000
1000Vd.c.(250Va.c.)									
C_N (μF)	D (mm)	L (mm)	d (mm)	Ordering Information	C_N (μF)	D (mm)	L (mm)	d (mm)	Ordering Information
0.0015	5.5	14.7	0.6	HCBB20/3A152-200C000	0.027	8.4	19.7	0.8	HCBB20/3A273-400C000
0.0018	5.7	14.7	0.6	HCBB20/3A182-200C000	0.033	9.0	19.7	0.8	HCBB20/3A333-400C000
0.0022	6.0	14.7	0.6	HCBB20/3A222-200C000	0.039	9.5	19.7	0.8	HCBB20/3A393-400C000
0.0027	6.3	14.7	0.6	HCBB20/3A272-200C000	0.047	10.2	19.7	0.8	HCBB20/3A473-400C000
0.0033	5.9	14.7	0.6	HCBB20/3A332-200C000	0.056	8.9	27.5	0.8	HCBB20/3A563-800C000
0.0039	6.1	14.7	0.6	HCBB20/3A392-200C000	0.068	9.5	27.5	0.8	HCBB20/3A683-800C000
0.0047	6.0	14.7	0.6	HCBB20/3A472-200C000	0.082	10.2	27.5	0.8	HCBB20/3A823-800C000
0.0056	6.3	14.7	0.6	HCBB20/3A562-200C000	0.1	11.0	27.5	0.8	HCBB20/3A104-800C000
0.0068	6.6	14.7	0.6	HCBB20/3A682-200C000	0.12	12.0	27.5	0.8	HCBB20/3A124-800C000
0.0082	7.0	14.7	0.8	HCBB20/3A822-200C000	0.15	12.5	33.0	0.8	HCBB20/3A154-C00C000
0.01	7.6	14.7	0.8	HCBB20/3A103-200C000	0.18	13.5	33.0	0.8	HCBB20/3A184-C00C000
0.012	8.1	14.7	0.8	HCBB20/3A123-200C000	0.22	14.6	33.0	0.8	HCBB20/3A224-C00C000
0.015	8.8	14.7	0.8	HCBB20/3A153-200C000	0.27	15.9	33.0	0.8	HCBB20/3A274-C00C000
0.018	7.4	19.7	0.8	HCBB20/3A183-400C000	0.33	17.4	33.0	1.0	HCBB20/3A334-C00C000
0.022	7.9	19.7	0.8	HCBB20/3A223-400C000	0.39	18.7	33.0	1.0	HCBB20/3A394-C00C000

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%.

Outline Dimensions

Round Type

1000Vd.c.(250Va.c.)									
C_N (μF)	D (mm)	L (mm)	d (mm)	Ordering Information	C_N (μF)	D (mm)	L (mm)	d (mm)	Ordering Information
0.47	17.0	43.0	1.0	HCBB20/3A474-J00C000	1.0	20.6	57.7	1.0	HCBB20/3A105-T00C000
0.56	18.5	43.0	1.0	HCBB20/3A564-J00C000	1.2	22.3	57.7	1.0	HCBB20/3A125-T00C000
0.68	20.2	43.0	1.0	HCBB20/3A684-J00C000	1.5	24.5	57.7	1.0	HCBB20/3A155-T00C000
0.82	21.8	43.0	1.0	HCBB20/3A824-J00C000	1.8	26.5	57.7	1.0	HCBB20/3A185-T00C000
					2.2	29.0	57.7	1.0	HCBB20/3A225-T00C000
1250Vd.c.(400Va.c.)									
C_N (μF)	D (mm)	L (mm)	d (mm)	Ordering Information	C_N (μF)	D (mm)	L (mm)	d (mm)	Ordering Information
0.0015	5.5	14.7	0.6	HCBB20/3B152-200C000	0.056	9.8	27.5	0.8	HCBB20/3B563-800C000
0.0018	5.7	14.7	0.6	HCBB20/3B182-200C000	0.068	10.6	27.5	0.8	HCBB20/3B683-800C000
0.0022	6.0	14.7	0.6	HCBB20/3B222-200C000	0.082	11.6	27.5	0.8	HCBB20/3B823-800C000
0.0027	6.4	14.7	0.6	HCBB20/3B272-200C000	0.1	12.5	27.5	0.8	HCBB20/3B104-800C000
0.0033	6.3	14.7	0.6	HCBB20/3B332-200C000	0.12	12.8	33.0	0.8	HCBB20/3B124-C00C000
0.0039	6.6	14.7	0.6	HCBB20/3B392-200C000	0.15	14.0	33.0	0.8	HCBB20/3B154-C00C000
0.0047	7.0	14.7	0.6	HCBB20/3B472-200C000	0.18	15.1	33.0	1.0	HCBB20/3B184-C00C000
0.0056	7.4	14.7	0.8	HCBB20/3B562-200C000	0.22	16.4	33.0	1.0	HCBB20/3B224-C00C000
0.0068	7.9	14.7	0.8	HCBB20/3B682-200C000	0.27	17.9	33.0	1.0	HCBB20/3B274-C00C000
0.0082	8.4	14.7	0.8	HCBB20/3B822-200C000	0.33	16.8	43.0	1.0	HCBB20/3B334-C00C000
0.01	9.1	14.7	0.8	HCBB20/3B103-200C000	0.39	18.0	43.0	1.0	HCBB20/3B394-C00C000
0.012	7.1	19.7	0.8	HCBB20/3B123-400C000	0.47	19.5	43.0	1.0	HCBB20/3B474-C00C000
0.015	7.6	19.7	0.8	HCBB20/3B153-400C000	0.56	21.1	43.0	1.0	HCBB20/3B564-C00C000
0.018	8.0	19.7	0.8	HCBB20/3B183-400C000	0.68	19.7	57.7	1.0	HCBB20/3B684-T00C000
0.022	8.6	19.7	0.8	HCBB20/3B223-400C000	0.82	21.3	57.7	1.0	HCBB20/3B824-T00C000
0.027	9.2	19.7	0.8	HCBB20/3B273-400C000	1.0	23.1	57.7	1.0	HCBB20/3B105-T00C000
0.033	10.0	19.7	0.8	HCBB20/3B333-400C000	1.2	25.0	57.7	1.0	HCBB20/3B125-T00C000
0.039	9.0	27.5	0.8	HCBB20/3B393-800C000	1.5	27.7	57.7	1.0	HCBB20/3B155-T00C000
0.047	9.2	27.5	0.8	HCBB20/3B473-800C000	1.8	30.0	57.7	1.0	HCBB20/3B185-T00C000
					2.2	32.7	57.7	1.0	HCBB20/3B225-T00C000

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%.

Outline Dimensions

Flat Type

100Vd.c.(63Va.c.) / 160Vd.c.(100Va.c.)											
C_N (μF)	L (mm)	H (mm)	T (mm)	d (mm)	Ordering Information	C_N (μF)	L (mm)	H (mm)	T (mm)	d (mm)	Ordering Information
0.056	14.7	7.0	4.3	0.6	HCBB20/2A563-210C000	0.22	14.7	9.6	6.2	0.6	HCBB20/2A224-210C000
0.068	14.7	7.4	4.7	0.6	HCBB20/2A683-210C000	0.27	14.7	10.2	6.9	0.6	HCBB20/2A274-210C000
0.082	14.7	7.8	5.1	0.6	HCBB20/2A823-210C000	0.33	14.7	10.9	7.6	0.6	HCBB20/2A334-210C000
0.1	14.7	8.7	5.4	0.6	HCBB20/2A104-210C000	0.39	14.7	11.0	7.7	0.6	HCBB20/2A394-210C000
0.12	14.7	9.2	5.8	0.6	HCBB20/2A124-210C000	0.47	14.7	12.2	8.0	0.6	HCBB20/2A474-210C000
0.15	14.7	10.3	6.2	0.6	HCBB20/2A154-210C000	0.56	14.7	12.9	8.8	0.6	HCBB20/2A564-210C000
0.18	14.7	10.9	6.8	0.6	HCBB20/2A184-210C000	0.68	14.7	13.9	9.8	0.6	HCBB20/2A684-210C000
0.15	19.7	8.1	4.8	0.6	HCBB20/2A154-410C000	3.9	27.5	19.9	13.2	0.6	HCBB20/2A395-810C000
0.18	19.7	8.6	5.2	0.6	HCBB20/2A184-410C000	4.7	27.5	22.2	13.9	0.6	HCBB20/2A475-810C000
0.22	19.7	9.6	5.4	0.6	HCBB20/2A224-410C000	5.6	27.5	23.6	15.3	0.6	HCBB20/2A565-810C000
0.27	19.7	10.2	6.0	0.6	HCBB20/2A274-410C000	6.8	27.5	25.3	17.1	0.6	HCBB20/2A685-810C000
0.33	19.7	10.8	6.7	0.6	HCBB20/2A334-410C000	8.2	27.5	27.2	19.0	0.6	HCBB20/2A825-810C000
0.39	19.7	11.4	7.3	0.6	HCBB20/2A394-410C000	10	27.5	23.6	15.3	0.6	HCBB20/2A106-810C000
0.47	19.7	10.2	6.0	0.6	HCBB20/2A474-410C000	0.82	33	11.3	7.2	0.6	HCBB20/2A824-C10C000
0.56	19.7	10.7	6.6	0.6	HCBB20/2A564-410C000	1.0	33	12.1	7.9	0.6	HCBB20/2A105-C10C000
0.68	19.7	11.4	7.3	0.6	HCBB20/2A684-410C000	1.2	33	10.9	6.7	0.6	HCBB20/2A125-C10C000
0.82	19.7	12.2	8.0	0.6	HCBB20/2A824-410C000	1.5	33	11.7	7.6	0.6	HCBB20/2A155-C10C000
1.0	19.7	13.0	8.9	0.6	HCBB20/2A105-410C000	1.8	33	12.4	8.3	0.6	HCBB20/2A185-C10C000
1.2	19.7	14.3	9.4	0.6	HCBB20/2A125-410C000	2.2	33	13.8	8.9	0.6	HCBB20/2A225-C10C000
1.5	19.7	15.5	10.6	0.6	HCBB20/2A155-410C000	2.7	33	14.8	9.9	0.6	HCBB20/2A275-C10C000
0.47	27.5	10.3	6.2	0.6	HCBB20/2A474-810C000	3.3	33	15.9	11.0	0.6	HCBB20/2A335-C10C000
0.56	27.5	10.8	6.7	0.6	HCBB20/2A564-810C000	3.9	33	18.3	11.6	0.6	HCBB20/2A395-C10C000
0.68	27.5	11.5	7.4	0.6	HCBB20/2A684-810C000	4.7	33	19.5	12.8	0.6	HCBB20/2A475-C10C000
0.82	27.5	10.4	6.3	0.6	HCBB20/2A824-810C000	5.6	33	21.7	13.4	0.6	HCBB20/2A565-C10C000
1.0	27.5	11.1	6.9	0.6	HCBB20/2A105-810C000	6.8	33	23.2	14.9	0.6	HCBB20/2A685-C10C000
1.2	27.5	11.8	7.6	0.6	HCBB20/2A125-810C000	8.2	33	24.8	16.6	0.6	HCBB20/2A825-C10C000
1.5	27.5	12.7	8.6	0.6	HCBB20/2A155-810C000	10.0	33	26.8	18.5	0.6	HCBB20/2A106-C10C000
1.8	27.5	14.0	9.1	0.6	HCBB20/2A185-810C000	12.0	33	28.8	20.5	0.6	HCBB20/2A126-C10C000
2.2	27.5	15.0	10.1	0.6	HCBB20/2A225-810C000	15.0	33	25.1	16.8	0.6	HCBB20/2A156-C10C000
2.7	27.5	16.2	11.2	0.6	HCBB20/2A275-810C000	18.0	33	26.9	18.6	0.6	HCBB20/2A186-C10C000
3.3	27.5	18.8	12.1	0.6	HCBB20/2A335-810C000	20.0	33	28.0	19.7	0.6	HCBB20/2A206-C10C000

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%.

Outline Dimensions

Flat Type

250Vd.c.(160Va.c.)											
C_N (μF)	L (mm)	H (mm)	T (mm)	d (mm)	Ordering Information	C_N (μF)	L (mm)	H (mm)	T (mm)	d (mm)	Ordering Information
0.033	14.7	7.9	4.5	0.6	HCBB20/2E333-210C000	0.68	27.5	11.5	7.4	0.8	HCBB20/2E684-810C000
0.039	14.7	8.2	4.9	0.6	HCBB20/2E393-210C000	0.82	27.5	12.3	8.2	0.8	HCBB20/2E824-810C000
0.047	14.7	7.5	4.8	0.6	HCBB20/2E473-210C000	1.0	27.5	13.2	9.1	0.8	HCBB20/2E105-810C000
0.056	14.7	7.9	5.2	0.6	HCBB20/2E563-210C000	1.2	27.5	14.1	10.0	0.8	HCBB20/2E125-810C000
0.068	14.7	8.7	5.4	0.6	HCBB20/2E683-210C000	1.5	27.5	16.6	10.1	0.8	HCBB20/2E155-810C000
0.082	14.7	9.2	5.9	0.6	HCBB20/2E823-210C000	1.8	27.5	17.6	11.2	0.8	HCBB20/2E185-810C000
0.1	14.7	8.7	5.4	0.6	HCBB20/2E104-210C000	2.0	27.5	18.8	12.1	0.8	HCBB20/2E205-810C000
0.12	14.7	9.2	5.9	0.6	HCBB20/2E124-210C000	2.2	27.5	19.5	12.8	0.8	HCBB20/2E225-810C000
0.15	14.7	10.4	6.2	0.6	HCBB20/2E154-210C000	2.7	27.5	21.8	13.5	0.8	HCBB20/2E275-810C000
0.18	14.7	11.0	6.8	0.6	HCBB20/2E184-210C000	3.0	27.5	22.6	14.4	0.8	HCBB20/2E305-810C000
0.22	14.7	11.7	7.6	0.6	HCBB20/2E224-210C000	3.3	27.5	23.4	15.2	0.8	HCBB20/2E335-810C000
0.27	14.7	12.6	8.4	0.6	HCBB20/2E274-210C000	3.9	27.5	24.9	16.6	0.8	HCBB20/2E395-810C000
0.33	14.7	13.5	9.3	0.6	HCBB20/2E334-210C000	4.7	27.5	22.2	13.9	0.8	HCBB20/2E475-810C000
0.39	14.7	14.7	9.8	0.6	HCBB20/2E394-210C000	5.6	27.5	23.6	15.3	0.8	HCBB20/2E565-810C000
0.47	14.7	12.7	7.8	0.6	HCBB20/2E474-210C000	6.0	27.5	24.2	15.9	0.8	HCBB20/2E605-810C000
0.56	14.7	13.4	8.5	0.6	HCBB20/2E564-210C000	6.8	27.5	25.3	17.1	0.8	HCBB20/2E685-810C000
0.15	19.7	9.1	5.8	0.6	HCBB20/2E154-410C000	0.47	33	9.6	5.4	0.8	HCBB20/2E474-C10C000
0.18	19.7	8.6	5.2	0.6	HCBB20/2E184-410C000	0.56	33	10.1	5.9	0.8	HCBB20/2E564-C10C000
0.22	19.7	9.1	5.8	0.8	HCBB20/2E224-410C000	0.68	33	10.7	6.6	0.8	HCBB20/2E684-C10C000
0.27	19.7	10.2	6.0	0.8	HCBB20/2E274-410C000	0.82	33	11.3	7.2	0.8	HCBB20/2E824-C10C000
0.33	19.7	11.3	6.4	0.8	HCBB20/2E334-410C000	1.0	33	12.1	8.0	0.8	HCBB20/2E105-C10C000
0.39	19.7	11.8	6.9	0.8	HCBB20/2E394-410C000	1.2	33	12.7	8.6	0.8	HCBB20/2E125-C10C000
0.47	19.7	12.6	7.7	0.8	HCBB20/2E474-410C000	1.5	33	14.2	9.3	0.8	HCBB20/2E155-C10C000
0.56	19.7	13.3	8.4	0.8	HCBB20/2E564-410C000	1.8	33	15.1	10.2	0.8	HCBB20/2E185-C10C000
0.68	19.7	14.2	9.3	0.8	HCBB20/2E684-410C000	2.2	33	17.1	10.6	0.8	HCBB20/2E225-C10C000
0.82	19.7	15.2	10.3	0.8	HCBB20/2E824-410C000	2.7	33	18.9	12.2	0.8	HCBB20/2E275-C10C000
1.0	19.7	17.2	10.7	0.8	HCBB20/2E105-410C000	3.3	33	21.2	12.9	0.8	HCBB20/2E335-C10C000
1.2	19.7	15.2	8.7	0.8	HCBB20/2E125-410C000	3.9	33	22.4	14.2	0.8	HCBB20/2E395-C10C000
1.5	19.7	16.4	9.9	0.8	HCBB20/2E155-410C000	4.7	33	24.0	15.7	0.8	HCBB20/2E475-C10C000
1.8	19.7	17.4	11.0	0.8	HCBB20/2E185-410C000	5.6	33	25.6	17.3	0.8	HCBB20/2E565-C10C000
0.33	27.5	9.3	5.2	0.8	HCBB20/2E334-810C000	6.8	33	23.3	15.0	0.8	HCBB20/2E685-C10C000

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%.

Outline Dimensions

Flat Type

250Vd.c.(160Va.c.)											
C_N (μF)	L (mm)	H (mm)	T (mm)	d (mm)	Ordering Information	C_N (μF)	L (mm)	H (mm)	T (mm)	d (mm)	Ordering Information
0.39	27.5	9.7	5.6	0.8	HCBB20/2E394-810C000	8.2	33	24.9	16.7	0.8	HCBB20/2E825-C10C000
0.47	27.5	10.3	6.2	0.8	HCBB20/2E474-810C000	10	33	26.9	18.6	0.8	HCBB20/2E106-C10C000
0.56	27.5	10.8	6.7	0.8	HCBB20/2E564-810C000	12	33	28.9	20.6	0.8	HCBB20/2E126-C10C000
1.0	37.7	10.0	5.9	0.8	HCBB20/2E105-F10C000	5.6	37.7	19.4	14.3	0.8	HCBB20/2E565-F10C000
1.2	37.7	10.6	6.5	0.8	HCBB20/2E125-F10C000	6.8	47.7	19.3	12.6	0.8	HCBB20/2E685-N10C000
1.5	37.7	11.9	6.9	0.8	HCBB20/2E155-F10C000	8.2	47.7	20.6	13.9	0.8	HCBB20/2E825-N10C000
1.8	37.7	12.6	7.7	0.8	HCBB20/2E185-F10C000	10.0	47.7	22.2	15.5	0.8	HCBB20/2E106-N10C000
2	37.7	13.0	8.1	0.8	HCBB20/2E205-F10C000	11.0	47.7	23.0	16.3	1.0	HCBB20/2E116-N10C000
2.2	37.7	13.4	8.5	0.8	HCBB20/2E225-F10C000	12.0	47.7	23.8	17.1	1.0	HCBB20/2E126-N10C000
2.7	37.7	14.4	9.5	0.8	HCBB20/2E275-F10C000	15.0	47.7	26.8	18.5	1.0	HCBB20/2E156-N10C000
3.3	37.7	15.5	10.6	0.8	HCBB20/2E335-F10C000	16.0	47.7	27.4	19.2	1.0	HCBB20/2E166-N10C000
3.9	37.7	17.0	11.9	0.8	HCBB20/2E395-F10C000	18.0	47.7	28.7	20.5	1.0	HCBB20/2E186-N10C000
4.7	37.7	18.2	13.1	0.8	HCBB20/2E475-F10C000	20.0	47.7	29.9	22.1	1.0	HCBB20/2E206-N10C000
400Vd.c.(200Va.c.)											
C_N (μF)	L (mm)	H (mm)	T (mm)	d (mm)	Ordering Information	C_N (μF)	L (mm)	H (mm)	T (mm)	d (mm)	Ordering Information
0.027	14.7	7.7	4.9	0.6	HCBB20/2G273-210C000	0.47	19.7	12.6	7.7	0.8	HCBB20/2G474-410C000
0.033	14.7	8.1	5.4	0.6	HCBB20/2G333-210C000	0.56	19.7	13.3	8.4	0.8	HCBB20/2G564-410C000
0.039	14.7	7.8	5.1	0.6	HCBB20/2G393-210C000	0.68	19.7	15.1	8.6	0.8	HCBB20/2G684-410C000
0.047	14.7	7.9	4.6	0.6	HCBB20/2G473-210C000	0.82	19.7	16.1	9.6	0.8	HCBB20/2G824-410C000
0.056	14.7	8.3	4.9	0.6	HCBB20/2G563-210C000	1.0	19.7	17.2	10.7	0.8	HCBB20/2G105-410C000
0.068	14.7	8.7	5.4	0.6	HCBB20/2G683-210C000	1.2	19.7	18.8	12.2	0.8	HCBB20/2G125-410C000
0.082	14.7	9.2	5.9	0.6	HCBB20/2G823-210C000	0.22	27.5	9.3	5.1	0.8	HCBB20/2G224-810C000
0.1	14.7	8.7	5.4	0.6	HCBB20/2G104-210C000	0.27	27.5	9.8	5.7	0.8	HCBB20/2G274-810C000
0.12	14.7	9.7	5.6	0.6	HCBB20/2G124-210C000	0.33	27.5	10.4	6.3	0.8	HCBB20/2G334-810C000
0.15	14.7	10.4	6.2	0.6	HCBB20/2G154-210C000	0.39	27.5	10.9	6.8	0.8	HCBB20/2G394-810C000
0.18	14.7	11.0	6.8	0.6	HCBB20/2G184-210C000	0.47	27.5	11.6	7.5	0.8	HCBB20/2G474-810C000
0.22	14.7	11.7	7.6	0.6	HCBB20/2G224-210C000	0.56	27.5	12.3	8.2	0.8	HCBB20/2G564-810C000
0.27	14.7	12.6	8.4	0.6	HCBB20/2G274-210C000	0.68	27.5	13.2	9.1	0.8	HCBB20/2G684-810C000
0.33	14.7	13.9	9.0	0.6	HCBB20/2G334-210C000	0.82	27.5	14.1	10.0	0.8	HCBB20/2G824-810C000
0.39	14.7	14.7	9.8	0.6	HCBB20/2G394-210C000	1.0	27.5	15.2	11.1	0.8	HCBB20/2G105-810C000

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%.

Outline Dimensions

Flat Type

400Vd.c.(200Va.c.)											
C_N (μF)	L (mm)	H (mm)	T (mm)	d (mm)	Ordering Information	C_N (μF)	L (mm)	H (mm)	T (mm)	d (mm)	Ordering Information
0.082	19.7	7.7	4.4	0.6	HCBB20/2G823-410C000	1.2	27.5	17.5	11.0	0.8	HCBB20/2G125-810C000
0.1	19.7	8.1	4.8	0.6	HCBB20/2G104-410C000	1.5	27.5	19.5	12.8	0.8	HCBB20/2G155-810C000
0.12	19.7	8.5	5.2	0.6	HCBB20/2G124-410C000	1.8	27.5	20.8	14.1	0.8	HCBB20/2G185-810C000
0.15	19.7	9.6	5.4	0.6	HCBB20/2G154-410C000	2.2	27.5	19.5	12.9	0.8	HCBB20/2G225-810C000
0.18	19.7	10.1	6.0	0.8	HCBB20/2G184-410C000	2.7	27.5	21.9	13.6	0.8	HCBB20/2G275-810C000
0.22	19.7	9.6	5.4	0.8	HCBB20/2G224-410C000	3.3	27.5	23.5	15.3	0.8	HCBB20/2G335-810C000
0.27	19.7	10.2	6.0	0.8	HCBB20/2G274-410C000	3.9	27.5	25.0	16.7	0.8	HCBB20/2G395-810C000
0.33	19.7	10.8	6.7	0.8	HCBB20/2G334-410C000	4.7	27.5	26.8	18.6	0.8	HCBB20/2G475-810C000
0.39	19.7	11.4	7.3	0.8	HCBB20/2G394-410C000	0.27	33	9.1	5.0	0.8	HCBB20/2G274-C10C000
0.33	33	9.7	5.5	0.8	HCBB20/2G334-C10C000	6.8	33	28.8	19.0	0.8	HCBB20/2G685-C10C000
0.39	33	10.1	6.0	0.8	HCBB20/2G394-C10C000	8.2	33	31.0	21.2	0.8	HCBB20/2G825-C10C000
0.47	33	10.7	6.6	0.8	HCBB20/2G474-C10C000	1.0	37.7	12.1	7.1	0.8	HCBB20/2G105-F10C000
0.56	33	11.3	7.2	0.8	HCBB20/2G564-C10C000	1.2	37.7	12.8	7.9	0.8	HCBB20/2G125-F10C000
0.68	33	12.1	7.9	0.8	HCBB20/2G684-C10C000	1.5	37.7	13.8	8.9	0.8	HCBB20/2G155-F10C000
0.82	33	12.9	8.7	0.8	HCBB20/2G824-C10C000	1.8	37.7	14.7	9.8	0.8	HCBB20/2G185-F10C000
1.0	33	12.1	8.0	0.8	HCBB20/2G105-C10C000	2.2	37.7	15.8	10.9	0.8	HCBB20/2G225-F10C000
1.2	33	12.9	8.8	0.8	HCBB20/2G125-C10C000	2.7	37.7	17.5	12.4	0.8	HCBB20/2G275-F10C000
1.5	33	15.3	8.8	0.8	HCBB20/2G155-C10C000	3.3	37.7	19.7	13.0	0.8	HCBB20/2G335-F10C000
1.8	33	16.2	9.7	0.8	HCBB20/2G185-C10C000	3.9	37.7	20.9	14.3	0.8	HCBB20/2G395-F10C000
2.2	33	17.4	10.9	0.8	HCBB20/2G225-C10C000	4.7	47.7	19.8	13.2	0.8	HCBB20/2G475-N10C000
2.7	33	19.2	12.5	0.8	HCBB20/2G275-C10C000	5.6	47.7	21.1	14.5	0.8	HCBB20/2G565-N10C000
3.3	33	21.5	13.2	0.8	HCBB20/2G335-C10C000	6.8	47.7	22.7	16.1	1.0	HCBB20/2G685-N10C000
3.9	33	22.8	14.5	0.8	HCBB20/2G395-C10C000	8.2	47.7	25.2	17.0	1.0	HCBB20/2G825-N10C000
4.7	33	24.4	16.1	0.8	HCBB20/2G475-C10C000	10.0	47.7	28.0	18.2	1.0	HCBB20/2G106-N10C000
5.6	33	26.0	17.8	0.8	HCBB20/2G565-C10C000	12.0	47.7	30.0	20.2	1.0	HCBB20/2G126-N10C000

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%.

Outline Dimensions

Flat Type

630Vd.c.(220Va.c.)											
C_N (μF)	L (mm)	H (mm)	T (mm)	d (mm)	Ordering Information	C_N (μF)	L (mm)	H (mm)	T (mm)	d (mm)	Ordering Information
0.01	14.7	7.8	4.5	0.8	HCBB20/2J103-210C000	2.2	33	26.2	18.0	0.8	HCBB20/2J225-C10C000
0.012	14.7	8.2	4.8	0.8	HCBB20/2J123-210C000	2.7	33	28.4	20.1	0.8	HCBB20/2J275-C10C000
0.015	14.7	7.9	4.5	0.8	HCBB20/2J153-210C000	0.1	27.5	8.9	4.7	0.8	HCBB20/2J104-810C000
0.018	14.7	8.2	4.9	0.8	HCBB20/2J183-210C000	0.12	27.5	9.3	5.2	0.8	HCBB20/2J124-810C000
0.022	14.7	7.6	4.3	0.8	HCBB20/2J223-210C000	0.15	27.5	9.9	5.7	0.8	HCBB20/2J154-810C000
0.027	14.7	8.0	4.7	0.8	HCBB20/2J273-210C000	0.18	27.5	10.4	6.3	0.8	HCBB20/2J184-810C000
0.033	14.7	8.5	5.1	0.8	HCBB20/2J333-210C000	0.22	27.5	11.1	6.9	0.8	HCBB20/2J224-810C000
0.039	14.7	8.9	5.5	0.8	HCBB20/2J393-210C000	0.27	27.5	11.8	7.7	0.8	HCBB20/2J274-810C000
0.047	14.7	9.4	6.1	0.8	HCBB20/2J473-210C000	0.33	27.5	12.6	8.5	0.8	HCBB20/2J334-810C000
0.056	14.7	9.9	6.6	0.8	HCBB20/2J563-210C000	0.39	27.5	13.8	8.9	0.8	HCBB20/2J394-810C000
0.068	14.7	10.6	7.2	0.8	HCBB20/2J683-210C000	0.47	27.5	14.7	9.8	0.8	HCBB20/2J474-810C000
0.082	14.7	11.2	7.9	0.8	HCBB20/2J823-210C000	0.56	27.5	16.5	10.0	0.8	HCBB20/2J564-810C000
0.22	19.7	13.6	8.7	0.8	HCBB20/2J224-410C000	0.68	27.5	17.6	11.2	0.8	HCBB20/2J684-810C000
0.27	19.7	15.4	9.0	0.8	HCBB20/2J274-410C000	0.82	27.5	19.4	12.7	0.8	HCBB20/2J824-810C000
0.33	19.7	16.5	10.0	0.8	HCBB20/2J334-410C000	1.0	27.5	21.6	13.4	0.8	HCBB20/2J105-810C000
0.39	19.7	17.4	11.0	0.8	HCBB20/2J394-410C000	1.2	27.5	23.1	14.8	0.8	HCBB20/2J125-810C000
0.47	19.7	19.1	12.4	0.8	HCBB20/2J474-410C000	1.5	27.5	25	16.7	0.8	HCBB20/2J155-810C000
0.22	33	10.2	6.1	0.8	HCBB20/2J224-C10C000	1.8	27.5	26.8	18.5	0.8	HCBB20/2J185-810C000
0.27	33	10.9	6.8	0.8	HCBB20/2J274-C10C000	1.0	37.7	15.7	10.6	0.8	HCBB20/2J105-F10C000
0.33	33	11.6	7.5	0.8	HCBB20/2J334-C10C000	1.2	37.7	16.8	11.7	0.8	HCBB20/2J125-F10C000
0.39	33	12.3	8.1	0.8	HCBB20/2J394-C10C000	1.5	37.7	18.2	13.1	0.8	HCBB20/2J155-F10C000
0.47	33	13.1	8.9	0.8	HCBB20/2J474-C10C000	1.8	37.7	19.5	14.4	0.8	HCBB20/2J185-F10C000
0.56	33	14.3	9.4	0.8	HCBB20/2J564-C10C000	2.2	37.7	21.0	15.9	0.8	HCBB20/2J225-F10C000
0.68	33	15.3	10.4	0.8	HCBB20/2J684-C10C000	2.7	47.7	20.8	14.1	0.8	HCBB20/2J275-N10C000
0.82	33	16.9	11.8	0.8	HCBB20/2J824-C10C000	3.3	47.7	22.4	15.7	1.0	HCBB20/2J335-N10C000
1.0	33	19.0	12.3	0.8	HCBB20/2J105-C10C000	3.9	47.7	24.7	16.4	1.0	HCBB20/2J395-N10C000
1.2	33	21.1	12.9	0.8	HCBB20/2J125-C10C000	4.7	47.7	26.5	18.2	1.0	HCBB20/2J475-N10C000
1.5	33	22.8	14.5	0.8	HCBB20/2J155-C10C000	5.6	47.7	29.1	19.3	1.0	HCBB20/2J565-N10C000
1.8	33	24.3	16.1	0.8	HCBB20/2J185-C10C000	6.8	47.7	31.4	21.5	1.0	HCBB20/2J685-N10C000

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%.

Outline Dimensions

Flat Type

1000Vd.c.(250Va.c.)											
C_N (μF)	L (mm)	H (mm)	T (mm)	d (mm)	Ordering Information	C_N (μF)	L (mm)	H (mm)	T (mm)	d (mm)	Ordering Information
0.0012	14.7	6.7	4.0	0.6	HCBB20/3A122-210C000	0.056	27.5	11.1	6.2	0.8	HCBB20/3A563-810C000
0.0015	14.7	7.1	4.4	0.6	HCBB20/3A152-210C000	0.068	27.5	11.7	6.8	0.8	HCBB20/3A683-810C000
0.0018	14.7	7.4	4.7	0.6	HCBB20/3A182-210C000	0.082	27.5	12.4	7.5	0.8	HCBB20/3A823-810C000
0.0022	14.7	7.0	4.3	0.6	HCBB20/3A222-210C000	0.1	27.5	13.2	8.3	0.8	HCBB20/3A104-810C000
0.0027	14.7	7.4	4.7	0.6	HCBB20/3A272-210C000	0.12	27.5	14.0	9.1	0.8	HCBB20/3A124-810C000
0.0033	14.7	8.2	4.8	0.6	HCBB20/3A332-210C000	0.15	33	14.5	9.6	0.8	HCBB20/3A154-C10C000
0.0039	14.7	7.6	4.2	0.6	HCBB20/3A392-210C000	0.18	33	15.5	10.6	0.8	HCBB20/3A184-C10C000
0.0047	14.7	7.9	4.6	0.6	HCBB20/3A472-210C000	0.22	33	17.0	11.9	0.8	HCBB20/3A224-C10C000
0.0056	14.7	7.7	4.4	0.6	HCBB20/3A562-210C000	0.27	33	19.2	12.5	0.8	HCBB20/3A274-C10C000
0.0068	14.7	8.6	4.5	0.6	HCBB20/3A682-210C000	0.33	33	20.6	13.9	0.8	HCBB20/3A334-C10C000
0.0082	14.7	9.1	5.0	0.6	HCBB20/3A822-210C000	0.39	33	21.9	15.2	0.8	HCBB20/3A394-C10C000
0.01	14.7	9.5	5.4	0.6	HCBB20/3A103-210C000	0.47	43	20.1	13.4	0.8	HCBB20/3A474-J10C000
0.012	14.7	10.0	5.9	0.8	HCBB20/3A123-210C000	0.56	43	21.7	15.0	0.8	HCBB20/3A564-J10C000
0.015	14.7	10.7	6.5	0.8	HCBB20/3A153-210C000	0.68	43	24.2	15.9	0.8	HCBB20/3A684-J10C000
0.018	19.7	9.2	5.0	0.6	HCBB20/3A183-410C000	0.82	43	25.9	17.6	1.0	HCBB20/3A824-J10C000
0.022	19.7	9.6	5.5	0.6	HCBB20/3A223-410C000	1.0	57.7	23.5	15.2	1.0	HCBB20/3A105-T10C000
0.027	19.7	10.1	6.0	0.8	HCBB20/3A273-410C000	1.2	57.7	25.1	16.8	1.0	HCBB20/3A125-T10C000
0.033	19.7	11.2	6.3	0.8	HCBB20/3A333-410C000	1.5	57.7	27.3	19.0	1.0	HCBB20/3A155-T10C000
0.039	19.7	11.7	6.8	0.8	HCBB20/3A393-410C000						
0.047	19.7	12.4	7.5	0.8	HCBB20/3A473-410C000						

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%.

Outline Dimensions

Flat Type

1250Vd.c.(400Va.c.)											
C_N (μF)	L (mm)	H (mm)	T (mm)	d (mm)	Ordering Information	C_N (μF)	L (mm)	H (mm)	T (mm)	d (mm)	Ordering Information
0.0012	14.7	6.8	4.1	0.6	HCBB20/3B122-210C000	0.039	27.5	10.9	6.0	0.8	HCBB20/3B393-810C000
0.0015	14.7	7.5	4.2	0.6	HCBB20/3B152-210C000	0.047	27.5	11.4	6.5	0.8	HCBB20/3B473-810C000
0.0018	14.7	7.8	4.5	0.6	HCBB20/3B182-210C000	0.056	27.5	12.0	7.1	0.8	HCBB20/3B563-810C000
0.0022	14.7	8.2	4.9	0.6	HCBB20/3B222-210C000	0.068	27.5	12.7	7.8	0.8	HCBB20/3B683-810C000
0.0027	14.7	8.6	5.3	0.6	HCBB20/3B272-210C000	0.082	27.5	13.5	8.6	0.8	HCBB20/3B823-810C000
0.0033	14.7	7.8	4.4	0.6	HCBB20/3B332-210C000	0.1	27.5	14.4	9.5	0.8	HCBB20/3B104-810C000
0.0039	14.7	8.6	4.5	0.6	HCBB20/3B392-210C000	0.12	33	14.8	9.9	0.8	HCBB20/3B124-C10C000
0.0047	14.7	9.0	4.8	0.6	HCBB20/3B472-210C000	0.15	33	16.0	11.1	0.8	HCBB20/3B154-C10C000
0.0056	14.7	9.3	5.2	0.6	HCBB20/3B562-210C000	0.18	33	17.5	12.4	0.8	HCBB20/3B184-C10C000
0.0068	14.7	9.8	5.7	0.8	HCBB20/3B682-210C000	0.22	33	18.8	13.7	0.8	HCBB20/3B224-C10C000
0.0082	14.7	10.3	6.2	0.8	HCBB20/3B822-210C000	0.27	33	21.1	14.4	0.8	HCBB20/3B274-C10C000
0.01	14.7	11.0	6.8	0.8	HCBB20/3B103-210C000	0.33	43	19.8	13.1	0.8	HCBB20/3B334-J10C000
0.012	19.7	8.8	4.7	0.6	HCBB20/3B123-410C000	0.39	43	21.0	14.3	0.8	HCBB20/3B394-J10C000
0.015	19.7	9.3	5.2	0.6	HCBB20/3B153-410C000	0.47	43	22.5	15.8	1.0	HCBB20/3B474-J10C000
0.018	19.7	9.8	5.6	0.8	HCBB20/3B183-410C000	0.56	43	24.1	17.4	1.0	HCBB20/3B564-J10C000
0.022	19.7	10.3	6.2	0.8	HCBB20/3B223-410C000	0.68	57.7	22.9	14.7	1.0	HCBB20/3B684-T10C000
0.027	19.7	11.4	6.5	0.8	HCBB20/3B273-410C000	0.82	57.7	24.5	16.3	1.0	HCBB20/3B824-T10C000
0.033	19.7	12.1	7.2	0.8	HCBB20/3B333-410C000	1.0	57.7	26.4	18.2	1.0	HCBB20/3B105-T10C000
						1.2	57.7	28.3	20.1	1.0	HCBB20/3B125-T10C000

Notes: (1) "-"=capacitance tolerance code,J=±5%,K=±10%.

HCBB62X2

Metallized polypropylene film interference suppression capacitor
(Class X2,275Va.c./305Va.c./310Va.c./350Va.c.)

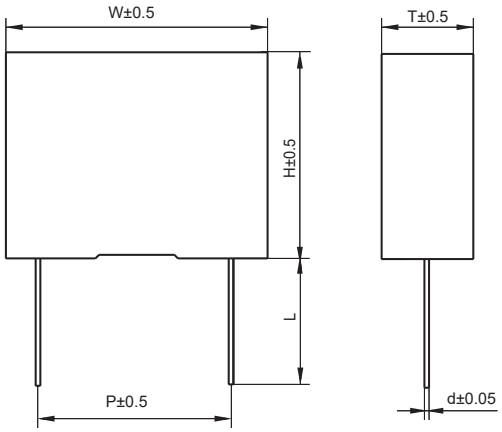
Features

- Used in across-the line, interfernence suppression circuit
- Metallized polypopylene structure, encapsulated in flame-resistant plastic case, sealed with epoxy resin
- Withstand overvoltage impact, excellent self-healing preoperty
- Excellent flame reistant and moisture resistance abilities
- High voltage resistance and insulation resistance

Safety Approvals

cqc	CQC	GB/T 6346.14	0.001μF-25μF;X2; ±10%(K),±20%(M); 275/305/310/330/350Va.c.; 40/110/56B; 40/100/56B; 40/100/21B; 40/85/21B;40/85/56B File No.: CQC21001289371
ENEC 10 DVE	ENEC-VDE	EN 60384-14 IEC 60384- 14	0.001μF-25μF,X2,±10%(K),±20%(M), 275/305/310/330/350Va.c.; 40/110/56B; 40/100/56B; 40/100/21B; 40/85/21B;40/85/56B File No.: 125834
c UL us	UL/CUL	UL 60384-14 CSA E60384 - 1:14 CSA E60384 - 14:14	0.001μF-25μF,X2,±10%(K),±20%(M), 250/275/305/310/330/350Va.c.; 40/110/56B; 40/100/56B; 40/100/21B; 40/85/21B;40/85/56B File No.: E311928,CCN:FOWX2/8

Outline Drawing



Specifications

Reference standard	GB/T 6346.14 (IEC 60384-14)		
Climatic category	40/110/56/B		
Operating temperature range	-40℃ ~+110℃		
Rated voltage	275Va.c./305Va.c./310Va.c./350Va.c.		
Capacitance range	0.001μF~25.0μF		
Capacitance tolerance	±10%(K),±20%(M) (20℃,1kHz)		
Voltage proof	Between terminals		4.3U_R (5s)
	Between terminals & case		2120Va.c. (1min)
Insulation resistance	≥15 000MΩ,C_N≤0.33μF ≥5 000s,C_N>0.33μF		(20℃,100Vd.c.,1min)
Dissipation factor	0.001μF≤C_N≤0.01μF	≤0.0020(1kHz,20℃)	≤0.0020(10kHz,20℃)
	0.01μF<C_N≤0.47μF	≤0.0010(1kHz,20℃)	≤0.0020(10kHz,20℃)
	0.47μF<C_N≤1.0μF	≤0.0020(1kHz,20℃)	≤0.0040(10kHz,20℃)
	1.0μF<C_N≤10.0μF	≤0.0030(1kHz,20℃)	
	10.0μF<C_N≤25.0μF	≤0.0040(1kHz,20℃)	

Ordering Information

1	2	3	4	5	6	7	8	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
H	C	B	B	6	2	X	2													(	×	×	×	)

Series code

AC rated voltage

E2=250V
P2=275V
Q2=305V
Q3=310V
R2=350V

Rated capacitance value

For example:
224=22×10^4 pF
=0.22μF

Capacitance tolerance

K=±10%
M=±20%

Pitch

3=7.5mm
4=10mm
6=15mm
9=22.5mm
B=27.5mm
F=37.5mm
M=52.5mm

Internal code

0 (normal type)
M(string structure)

lead form and packaging code

See table 1

Internal code

To identifiy when the special requirements needed

Table 1 Terminal code

Digit 18		Digit 19		Digit 20		Digit 21	
Code	explanation	Code	explanation	Code	explanation	Code	explanation
A	Ammo-pack	3	F=7.5	0	Straight lead	1	Between two consecutive mounting holes (P=12.7mm,H0=18mm(pitch=7.5)
		4	F=10.0			5	P=25.4mm,H0=18mm (pitch=10.0/15.0)
		6	F=15.0				
C	straight lead "C " in the figure above (bulk package)	00	standard lead length (18±1mm)			0	length tolerance ±0.5mm standard lead length
		35	lead length=3.5mm (1)				

Notes: (1) If the length of lead is 4.5mm, then the code number is C450,etc.

Outline Dimensions

275Va.c. #/310Va.c.													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.0010	10.0	9.0	4.0	7.5	0.6	HCBB62X2/Q3102-30****	0.018	10.0	9.0	4.0	7.5	0.6	HCBB62X2/Q3183-30****
0.0012	10.0	9.0	4.0	7.5	0.6	HCBB62X2/Q3122-30****	0.022	10.0	9.0	4.0	7.5	0.6	HCBB62X2/Q3223-30****
0.0015	10.0	9.0	4.0	7.5	0.6	HCBB62X2/Q3152-30****	0.027	10.0	11.0	5.0	7.5	0.6	HCBB62X2/Q3273-30****
0.0018	10.0	9.0	4.0	7.5	0.6	HCBB62X2/Q3182-30****	0.033	10.0	11.0	5.0	7.5	0.6	HCBB62X2/Q3273-30****
0.0022	10.0	9.0	4.0	7.5	0.6	HCBB62X2/Q3222-30****	0.039	10.0	11.0	5.0	7.5	0.6	HCBB62X2/Q3393-30****
0.0027	10.0	9.0	4.0	7.5	0.6	HCBB62X2/Q3272-30****	0.047	10.0	12.0	6.0	7.5	0.6	HCBB62X2/Q3473-30****
0.0033	10.0	9.0	4.0	7.5	0.6	HCBB62X2/Q3332-30****	0.0047	13.0	9.0	4.0	10.0	0.6	HCBB62X2/Q3472-40****
0.0039	10.0	9.0	4.0	7.5	0.6	HCBB62X2/Q3392-30****	0.0056	13.0	9.0	4.0	10.0	0.6	HCBB62X2/Q3562-40****
0.0047	10.0	9.0	4.0	7.5	0.6	HCBB62X2/Q3472-30****	0.0068	13.0	9.0	4.0	10.0	0.6	HCBB62X2/Q3682-40****
0.0056	10.0	9.0	4.0	7.5	0.6	HCBB62X2/Q3562-30****	0.0082	13.0	9.0	4.0	10.0	0.6	HCBB62X2/Q3822-40****
0.0068	10.0	9.0	4.0	7.5	0.6	HCBB62X2/Q3682-30****	0.01	13.0	9.0	4.0	10.0	0.6	HCBB62X2/Q3103-40****
0.0082	10.0	9.0	4.0	7.5	0.6	HCBB62X2/Q3822-30****	0.012	13.0	9.0	4.0	10.0	0.6	HCBB62X2/Q3123-40****
0.01	10.0	9.0	4.0	7.5	0.6	HCBB62X2/Q3103-30****	0.015	13.0	9.0	4.0	10.0	0.6	HCBB62X2/Q3153-40****
0.012	10.0	9.0	4.0	7.5	0.6	HCBB62X2/Q3123-30****	0.018	13.0	9.0	4.0	10.0	0.6	HCBB62X2/Q3183-40****
0.015	10.0	9.0	4.0	7.5	0.6	HCBB62X2/Q3153-30****	0.022	13.0	9.0	4.0	10.0	0.6	HCBB62X2/Q3223-40****

Notes: (1) "*" means capacitance tolerance code, K=±10%, M=±20%; "****"=terminal code and packing code(see table 1)
(2) When the rated voltage is 275Va.c.,the digit 11 ~ 12 is P2.

Outline Dimensions

275Va.c. #/310Va.c.													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.027	13.0	9.0	4.0	10.0	0.6	HCBB62X2/Q3273-40****	0.47	18.0	16.0	10.0	15.0	0.8	HCBB62X2/Q3474-60****
0.033	13.0	9.0	4.0	10.0	0.6	HCBB62X2/Q3333-40****	0.56	18.0	19.0	11.0	15.0	0.8	HCBB62X2/Q3564-60****
0.039	13.0	9.0	4.0	10.0	0.6	HCBB62X2/Q3393-40****	0.68	18.0	19.0	11.0	15.0	0.8	HCBB62X2/Q3684-60****
0.047	13.0	11.0	5.0	10.0	0.6	HCBB62X2/Q3473-40****	0.15	26.5	15.0	6.0	22.5	0.8	HCBB62X2/Q3154-90****
0.056	13.0	11.0	5.0	10.0	0.6	HCBB62X2/Q3563-40****	0.22	26.5	15.0	6.0	22.5	0.8	HCBB62X2/Q3224-90****
0.068	13.0	11.0	5.0	10.0	0.6	HCBB62X2/Q3683-40****	0.27	26.5	15.0	6.0	22.5	0.8	HCBB62X2/Q3274-90****
0.082	13.0	12.0	6.0	10.0	0.6	HCBB62X2/Q3823-40****	0.33	26.5	15.0	6.0	22.5	0.8	HCBB62X2/Q3334-90****
0.10	13.0	12.0	6.0	10.0	0.6	HCBB62X2/Q3104-40****	0.39	26.5	15.0	6.0	22.5	0.8	HCBB62X2/Q3394-90****
0.12	13.0	13.0	7.0	10.0	0.6	HCBB62X2/Q3124-40****	0.47	26.5	16.0	7.0	22.5	0.8	HCBB62X2/Q3394-90****
0.15	13.0	13.0	7.0	10.0	0.6	HCBB62X2/Q3154-40****	0.56	26.5	16.0	7.0	22.5	0.8	HCBB62X2/Q3564-90****
0.010	18.0	11.0	5.0	15.0	0.6	HCBB62X2/Q3103-60****	0.68	26.5	17.0	8.5	22.5	0.8	HCBB62X2/Q3684-90****
0.012	18.0	11.0	5.0	15.0	0.6	HCBB62X2/Q3123-60****	0.82	26.5	19.0	10.0	22.5	0.8	HCBB62X2/Q3824-90****
0.015	18.0	11.0	5.0	15.0	0.6	HCBB62X2/Q3153-60****	1.0	26.5	19.0	10.0	22.5	0.8	HCBB62X2/Q3105-90****
0.018	18.0	11.0	5.0	15.0	0.6	HCBB62X2/Q3183-60****	1.2	26.5	20.0	11.0	22.5	0.8	HCBB62X2/Q3125-90****
0.022	18.0	11.0	5.0	15.0	0.6	HCBB62X2/Q3223-60****	1.5	26.5	22.0	12.0	22.5	0.8	HCBB62X2/Q3155-90****
0.027	18.0	11.0	5.0	15.0	0.6	HCBB62X2/Q3273-60****	1.8	26.5	24.5	15.5	22.5	0.8	HCBB62X2/Q3185-90****
0.033	18.0	11.0	5.0	15.0	0.6	HCBB62X2/Q3333-60****	2.2	26.5	24.5	15.5	22.5	0.8	HCBB62X2/Q3225-90****
0.039	18.0	11.0	5.0	15.0	0.6	HCBB62X2/Q3393-60****	0.33	32.0	18.0	9.0	27.5	0.8	HCBB62X2/Q3334-B0****
0.047	18.0	11.0	5.0	15.0	0.6	HCBB62X2/Q3473-60****	0.39	32.0	18.0	9.0	27.5	0.8	HCBB62X2/Q3394-B0****
0.056	18.0	11.0	5.0	15.0	0.6	HCBB62X2/Q3563-60****	0.47	32.0	18.0	9.0	27.5	0.8	HCBB62X2/Q3474-B0****
0.068	18.0	11.0	5.0	15.0	0.6	HCBB62X2/Q3683-60****	0.56	32.0	18.0	9.0	27.5	0.8	HCBB62X2/Q3564-B0****
0.082	18.0	11.0	5.0	15.0	0.6	HCBB62X2/Q3823-60****	0.68	32.0	18.0	9.0	27.5	0.8	HCBB62X2/Q3684-B0****
0.10	18.0	11.0	5.0	15.0	0.6	HCBB62X2/Q3104-60****	0.82	32.0	18.0	9.0	27.5	0.8	HCBB62X2/Q3824-B0****
0.12	18.0	11.0	5.0	15.0	0.6	HCBB62X2/Q3124-60****	1.0	32.0	18.0	9.0	27.5	0.8	HCBB62X2/Q3105-B0****
0.15	18.0	12.0	6.0	15.0	0.8	HCBB62X2/Q3154-60****	1.2	32.0	20.0	11.0	27.5	0.8	HCBB62X2/Q3125-B0****
0.18	18.0	12.0	6.0	15.0	0.8	HCBB62X2/Q3184-60****	1.5	32.0	20.0	11.0	27.5	0.8	HCBB62X2/Q3155-B0****
0.22	18.0	13.5	7.5	15.0	0.8	HCBB62X2/Q3224-60****	1.8	32.0	22.0	13.0	27.5	0.8	HCBB62X2/Q3185-B0****
0.27	18.0	13.5	7.5	15.0	0.8	HCBB62X2/Q3274-60****	2.2	32.0	25.0	13.0	27.5	0.8	HCBB62X2/Q3225-B0****
0.33	18.0	14.5	8.5	15.0	0.8	HCBB62X2/Q3334-60****	2.7	32.0	24.5	15.0	27.5	0.8	HCBB62X2/Q3275-B0****
0.39	18.0	14.5	8.5	15.0	0.8	HCBB62X2/Q3394-60****	3.3	32.0	28.0	17.0	27.5	0.8	HCBB62X2/Q3335-B0****

Notes: (1) "*" means capacitance tolerance code, K=±10%, M=±20%; "****"=terminal code and packing code(see table 1)
(2) When the rated voltage is 275Va.c.,the digit 11 ~ 12 is P2.

Outline Dimensions

275Va.c. #/310Va.c.													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
3.9	32.0	33.0	18.0	27.5	0.8	HCBB62X2/Q3395-B0****	5.6	42.0	33.5	18.5	37.5	1.0	HCBB62X2/Q3565-F0****
4.7	32.0	37.0	22.0	27.5	0.8	HCBB62X2/Q3475-B0****	6.8	42.0	33.5	18.5	37.5	1.0	HCBB62X2/Q3685-F0****
1.5	42.0	22.0	11.0	37.5	1.0	HCBB62X2/Q3155-F0****	8.2	42.0	37.0	22.0	37.5	1.0	HCBB62X2/Q3825-F0****
1.8	42.0	22.0	11.0	37.5	1.0	HCBB62X2/Q3185-F0****	10.0	42.0	41.0	26.0	37.5	1.0	HCBB62X2/Q3106-F0****
2.2	42.0	24.0	13.0	37.5	1.0	HCBB62X2/Q3225-F0****	12.0	42.0	43.0	28.0	37.5	1.0	HCBB62X2/Q3126-F0****
2.7	42.0	24.0	13.0	37.5	1.0	HCBB62X2/Q3275-F0****	15.0	42.0	45.0	30.0	37.5	1.0	HCBB62X2/Q3156-F0****
3.3	42.0	28.0	14.0	37.5	1.0	HCBB62X2/Q3335-F0****	20.0	57.5	45.0	30.0	52.5	1.2	HCBB62X2/Q3206-M0****
3.9	42.0	30.0	16.0	37.5	1.0	HCBB62X2/Q3395-F0****	25.0	57.5	50.0	35.0	52.5	1.2	HCBB62X2/Q3256-M0****
4.7	42.0	30.0	16.0	37.5	1.0	HCBB62X2/Q3475-F0****							
350Va.c.													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.010	13.0	9.0	4.0	10.0	0.6	HCBB62X2/R2103-4M****	0.047	18.0	11.0	5.0	15.0	0.6	HCBB62X2/R2473-6M****
0.012	13.0	9.0	4.0	10.0	0.6	HCBB62X2/R2123-4M****	0.056	18.0	11.0	5.0	15.0	0.6	HCBB62X2/R2563-6M****
0.015	13.0	9.0	4.0	10.0	0.6	HCBB62X2/R2153-4M****	0.068	18.0	12.0	6.0	15.0	0.6	HCBB62X2/R2683-6M****
0.018	13.0	9.0	4.0	10.0	0.6	HCBB62X2/R2183-4M****	0.082	18.0	12.0	6.0	15.0	0.6	HCBB62X2/R2823-6M****
0.022	13.0	9.0	4.0	10.0	0.6	HCBB62X2/R2223-4M****	0.10	18.0	12.0	6.0	15.0	0.6	HCBB62X2/R2104-6M****
0.027	13.0	11.0	5.0	10.0	0.6	HCBB62X2/R2273-4M****	0.12	18.0	13.5	7.5	15.0	0.6	HCBB62X2/R2124-6M****
0.033	13.0	11.0	5.0	10.0	0.6	HCBB62X2/R2333-4M****	0.15	18.0	13.5	7.5	15.0	0.6	HCBB62X2/R2154-6M****
0.039	13.0	11.0	5.0	10.0	0.6	HCBB62X2/R2393-4M****	0.18	18.0	14.5	8.5	15.0	0.8	HCBB62X2/R2184-6M****
0.047	13.0	12.0	6.0	10.0	0.6	HCBB62X2/R2473-4M****	0.22	18.0	14.5	8.5	15.0	0.8	HCBB62X2/R2224-6M****
0.056	13.0	12.0	6.0	10.0	0.6	HCBB62X2/R2563-4M****	0.27	18.0	16.0	10.0	15.0	0.8	HCBB62X2/R2274-6M****
0.010	18.0	11.0	5.0	15.0	0.6	HCBB62X2/R2103-6M****	0.33	18.0	19.0	11.0	15.0	0.8	HCBB62X2/R2334-6M****
0.012	18.0	11.0	5.0	15.0	0.6	HCBB62X2/R2123-6M****	0.10	26.5	15.0	6.0	22.5	0.8	HCBB62X2/R2104-9M****
0.015	18.0	11.0	5.0	15.0	0.6	HCBB62X2/R2153-6M****	0.12	26.5	15.0	6.0	22.5	0.8	HCBB62X2/R2124-9M****
0.018	18.0	11.0	5.0	15.0	0.6	HCBB62X2/R2183-6M****	0.15	26.5	15.0	6.0	22.5	0.8	HCBB62X2/R2154-9M****
0.022	18.0	11.0	5.0	15.0	0.6	HCBB62X2/R2223-6M****	0.18	26.5	15.0	6.0	22.5	0.8	HCBB62X2/R2184-9M****
0.027	18.0	11.0	5.0	15.0	0.6	HCBB62X2/R2273-6M****	0.22	26.5	15.0	6.0	22.5	0.8	HCBB62X2/R2224-9M****
0.033	18.0	11.0	5.0	15.0	0.6	HCBB62X2/R2333-6M****	0.27	26.5	15.0	6.0	22.5	0.8	HCBB62X2/R2274-9M****
0.039	18.0	11.0	5.0	15.0	0.6	HCBB62X2/R2393-6M****	0.33	26.5	16.0	7.0	22.5	0.8	HCBB62X2/R2334-9M****

Notes: (1) "*" means capacitance tolerance code, K=±10%, M=±20%; "****"=terminal code and packing code(see table 1)
(2) When the rated voltage is 275Va.c.,the digit 11 ~ 12 is P2.

Outline Dimensions

350Va.c.													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.39	26.5	17.0	8.5	22.5	0.8	HCBB62X2/R2394-9M****	4.7	32.0	37.0	22.0	27.5	0.8	HCBB62X2/R2475-BM****
0.47	26.5	17.0	8.5	22.5	0.8	HCBB62X2/R2474-9M****	0.33	42.0	22.0	11.0	37.5	1.0	HCBB62X2/R2334-FM****
0.56	26.5	19.0	10.0	22.5	0.8	HCBB62X2/R2564-9M****	0.39	42.0	22.0	11.0	37.5	1.0	HCBB62X2/R2394-FM****
0.68	26.5	19.0	10.0	22.5	0.8	HCBB62X2/R2684-9M****	0.47	42.0	22.0	11.0	37.5	1.0	HCBB62X2/R2474-FM****
0.82	26.5	20.0	11.0	22.5	0.8	HCBB62X2/R2824-9M****	0.56	42.0	22.0	11.0	37.5	1.0	HCBB62X2/R2564-FM****
1.0	26.5	22.0	12.0	22.5	0.8	HCBB62X2/R2105-9M****	0.68	42.0	22.0	11.0	37.5	1.0	HCBB62X2/R2684-FM****
1.2	26.5	23.0	13.5	22.5	0.8	HCBB62X2/R2125-9M****	0.82	42.0	22.0	11.0	37.5	1.0	HCBB62X2/R2824-FM****
1.5	26.5	24.5	15.5	22.5	0.8	HCBB62X2/R2155-9M****	1.0	42.0	22.0	11.0	37.5	1.0	HCBB62X2/R2105-FM****
0.22	32.0	18.0	9.0	27.5	0.8	HCBB62X2/R2224-BM****	1.2	42.0	22.0	11.0	37.5	1.0	HCBB62X2/R2125-FM****
0.27	32.0	18.0	9.0	27.5	0.8	HCBB62X2/R2274-BM****	1.5	42.0	24.0	13.0	37.5	1.0	HCBB62X2/R2155-FM****
0.33	32.0	18.0	9.0	27.5	0.8	HCBB62X2/R2334-BM****	1.8	42.0	24.0	13.0	37.5	1.0	HCBB62X2/R2185-FM****
0.39	32.0	18.0	9.0	27.5	0.8	HCBB62X2/R2394-BM****	2.2	42.0	26.0	15.0	37.5	1.0	HCBB62X2/R2225-FM****
0.47	32.0	18.0	9.0	27.5	0.8	HCBB62X2/R2474-BM****	2.7	42.0	28.0	14.0	37.5	1.0	HCBB62X2/R2275-FM****
0.56	32.0	18.0	9.0	27.5	0.8	HCBB62X2/R2564-BM****	3.3	42.0	30.0	16.0	37.5	1.0	HCBB62X2/R2335-FM****
0.68	32.0	18.0	9.0	27.5	0.8	HCBB62X2/R2684-BM****	3.9	42.0	32.0	17.0	37.5	1.0	HCBB62X2/R2395-FM****
0.82	32.0	20.0	11.0	27.5	0.8	HCBB62X2/R2824-BM****	4.7	42.0	34.0	20.0	37.5	1.0	HCBB62X2/R2475-FM****
1.0	32.0	20.0	11.0	27.5	0.8	HCBB62X2/R2105-BM****	5.6	42.0	37.0	22.0	37.5	1.0	HCBB62X2/R2565-FM****
1.2	32.0	22.0	13.0	27.5	0.8	HCBB62X2/R2125-BM****	6.8M	42.0	37.0	22.0	37.5	1.0	HCBB62X2/R2685MFM****
1.5	32.0	25.0	13.0	27.5	0.8	HCBB62X2/R2155-BM****	6.8K	42.0	37.0	26.0	37.5	1.0	HCBB62X2/R2685KFM****
1.8	32.0	24.5	15.0	27.5	0.8	HCBB62X2/R2185-BM****	8.2	42.0	41.0	26.0	37.5	1.0	HCBB62X2/R2825-FM****
2.2	32.0	30.0	16.0	27.5	0.8	HCBB62X2/R2225-BM****	10.0	42.0	45.0	30.0	37.5	1.0	HCBB62X2/R2106-FM****
2.7	32.0	33.0	18.0	27.5	0.8	HCBB62X2/R2275-BM****	15.0	57.5	45.0	30.0	52.5	1.2	HCBB62X2/R2156-MM****
3.3	32.0	33.0	18.0	27.5	0.8	HCBB62X2/R2335-BM****	18.0	57.5	45.0	35.0	52.5	1.2	HCBB62X2/R2186-MM****
3.9	32.0	37.0	22.0	27.5	0.8	HCBB62X2/R2395-BM****	20.0	57.5	50.0	35.0	52.5	1.2	HCBB62X2/R2206-MM****

Notes: (1) "*" means capacitance tolerance code, K=±10%, M=±20%; "****"=terminal code and packing code(see table 1)

HCBB62X2

Metalized polypropylene film interference suppreission capacitor
(Class X2, 275V/310V,Miniature version)

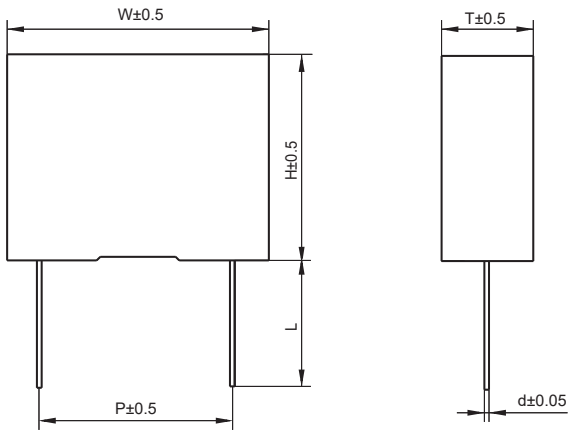
Features

- Used for interference suppression, across-the-line applications
- Encapsulated in flame-resistant plastic case,sealed with epoxy resin
- Widely used in anti-interference occasions such as power supply cross line (indoor)

Safety Approvals

cqc	CQC	GB/T 6346.14	0.001μF-25μF;X2; ±10%(K),±20%(M); 275/305/310/330/350Va.c.; 40/110/56B; 40/100/56B; 40/100/21B; 40/85/21B;40/85/56B File No.: CQC21001289371
ENEC 10 DVE	ENEC-VDE	EN 60384-14 IEC 60384- 14	0.001μF-25μF,X2,±10%(K),±20%(M), 275/305/310/330/350Va.c.; 40/110/56B; 40/100/56B; 40/100/21B; 40/85/21B;40/85/56B File No.: 125834
c UL us	UL/CUL	UL 60384-14 CSA E60384-1:14 CSA E60384-14:14	0.001μF-25μF,X2,±10%(K),±20%(M), 250/275/305/310/330/350Va.c.; 40/110/56B; 40/100/56B; 40/100/21B; 40/85/21B;40/85/56B File No.: E311928,CCN:FOWX2/8

Outline Drawing



Specifications

Reference standard	GB/T 6346.14 (IEC 60384-14)		
Climatic category	40/110/56/B		
Operating temperature range	-40℃ ~+110℃		
Rated temperature	+110℃		
Rated voltage	275Va.c./310Va.c. (50Hz/60Hz)		
Max. continuous DC voltage	560Vd.c.		
Capacitance range	0.027μF~8.2μF		
Capacitance tolerance	±10%(K),±20%(M) (20℃,1kHz)		
Voltage proof	Between terminals	4.3U_R(Vd.c.)/2s	
	Between terminals & case	2120Va.c./2s	
Insulation resistance	≥15 000MΩ,C_N≤0.33μF ≥5 000s,C_N>0.33μF		(20℃,100Vd.c.,1min)
Dissipation factor	0.027μF≤C_N≤0.47μF	≤0.0010(1kHz,20℃)	≤0.0020(10kHz,20℃)
	0.47μF<C_N≤1.0μF	≤0.0020(1kHz,20℃)	≤0.0040(10kHz,20℃)
	1.0μF<C_N≤10.0μF	≤0.0030(1kHz,20℃)	

Ordering Information

1	2	3	4	5	6	7	8	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
H	C	B	B	6	2	X	2													(	×	×	×	)

Series code

AC rated voltage

P2=275V
Q3=310V

Rated capacitance value

For example:
224=22×10^4 pF
=0.22μF

Capacitance tolerance

K=±10%
M=±20%

Pitch

3=7.5mm
4=10mm
6=15mm
9=22.5mm
B=27.5mm

Internal code

1 (minitature version)

lead form and packaging code

See table 1

Internal code

To identifiy when the special requirements needed

Table 1 Terminal code

Digit 18		Digit 19		Digit 20		Digit 21	
Code	explanation	Code	explanation	Code	explanation	Code	explanation
A	Ammo-pack	3	F=7.5	0	Straight lead	1	Between two consecutive mounting holes P=12.7mm,H0=18mm(Pitch=7.5)
		4	F=10.0			5	P=25.4mm,H0=18mm(Pitch=10.0/15.0)
		6	F=15.0				
C	straight lead "C " in the figure above (bulk package)	00	standard lead length (18±1mm)			0	length tolerance ±0.5mm Or standard lead length
		35	lead length=3.5mm (1)				

Notes: (1) If the length of lead is 4.5mm, then the code number is C450,etc.

Outline Dimensions

275Va.c. /310Va.c.													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.027	10.0	9.0	4.0	7.5	0.6	HCBB62X2/Q3273-31****	0.15	18.0	11.0	5.0	15.0	0.6	HCBB62X2/Q3154-61****
0.033	10.0	9.0	4.0	7.5	0.6	HCBB62X2/Q3333-31****	0.18	18.0	11.0	5.0	15.0	0.6	HCBB62X2/Q3184-61****
0.039	10.0	9.0	4.0	7.5	0.6	HCBB62X2/Q3393-31****	0.22	18.0	12.0	6.0	15.0	0.8	HCBB62X2/Q3224-61****
0.047	10.0	10.0	5.0	7.5	0.6	HCBB62X2/Q3473-31****	0.27	18.0	12.0	6.0	15.0	0.8	HCBB62X2/Q3274-61****
0.056	10.0	10.0	5.0	7.5	0.6	HCBB62X2/Q3563-31****	0.33	18.0	13.0	7.0	15.0	0.8	HCBB62X2/Q3334-61****
0.068	10.0	11.0	5.0	7.5	0.6	HCBB62X2/Q3683-31****	0.39	18.0	13.5	7.5	15.0	0.8	HCBB62X2/Q3394-61****
0.082	10.0	12.0	6.0	7.5	0.6	HCBB62X2/Q3823-31****	0.47	18.0	14.5	8.5	15.0	0.8	HCBB62X2/Q3474-61****
0.10	10.0	12.0	6.0	7.5	0.6	HCBB62X2/Q3104-31****	0.56	18.0	16.0	10.0	15.0	0.8	HCBB62X2/Q3564-61****
0.047	13.0	9.0	4.0	10.0	0.6	HCBB62X2/Q3473-41****	0.68	18.0	16.0	10.0	15.0	0.8	HCBB62X2/Q3684-61****
0.10	13.0	11.0	5.0	10.0	0.6	HCBB62X2/Q3104-41****	0.82	18.0	19.0	11.0	15.0	0.8	HCBB62X2/Q3824-61****
0.12M	13.0	11.0	5.0	10.0	0.6	HCBB62X2/Q3124M41****	0.47	26.5	15.0	6.0	22.5	0.8	HCBB62X2/Q3474-91****
0.12K	13.0	12.0	6.0	10.0	0.6	HCBB62X2/Q3124K41****	0.56	26.5	15.0	6.0	22.5	0.8	HCBB62X2/Q3564-91****
0.15	13.0	12.0	6.0	10.0	0.6	HCBB62X2/Q3154-41****	0.68	26.5	16.0	7.0	22.5	0.8	HCBB62X2/Q3684-91****
0.18	13.0	13.0	7.0	10.0	0.6	HCBB62X2/Q3184-41****	0.82	26.5	17.0	8.5	22.5	0.8	HCBB62X2/Q3824-91****
0.22	13.0	14.0	8.0	10.0	0.6	HCBB62X2/Q3224-41****	1.0	26.5	17.0	8.5	22.5	0.8	HCBB62X2/Q3105-91****

Notes: (1) "-" means capacitance tolerance code, K=±10%, M=±20% ; "****" means lead form and packaging code (See table 1)
(2)When the rated voltage is 275Va.c.,the digit 10～11 is P2.

Outline Dimensions

275Va.c. /310Va.c.													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
1.2	26.5	19.0	10.0	22.5	0.8	HCBB62X2/Q3125-91****	1.8	32.0	20.0	11.0	27.5	0.8	HCBB62X2/Q3185-B1****
1.5	26.5	20.0	11.0	22.5	0.8	HCBB62X2/Q3155-91****	2.2	32.0	22.0	13.0	27.5	0.8	HCBB62X2/Q3225-B1****
1.8	26.5	22.0	12.0	22.5	0.8	HCBB62X2/Q3185-91****	2.7	32.0	25.0	13.0	27.5	0.8	HCBB62X2/Q3275-B1****
2.0	26.5	22.0	12.0	22.5	0.8	HCBB62X2/Q3205-91****	3.3	32.0	24.5	15.0	27.5	0.8	HCBB62X2/Q3335-B1****
2.2	26.5	23.0	13.5	22.5	0.8	HCBB62X2/Q3225-91****	3.9	32.0	28.0	17.0	27.5	0.8	HCBB62X2/Q3395-B1****
2.7	26.5	24.5	15.5	22.5	0.8	HCBB62X2/Q3275-91****	4.7	32.0	28.0	17.0	27.5	0.8	HCBB62X2/Q3475-B1****
3.3	26.5	29.5	14.5	22.5	0.8	HCBB62X2/Q3335-91****	5.6	32.0	33.0	18.0	27.5	0.8	HCBB62X2/Q3565-B1****
3.9M	26.5	29.5	14.5	22.5	0.8	HCBB62X2/Q3395M91****	6.8	32.0	37.0	22.0	27.5	0.8	HCBB62X2/Q3685-B1****
1.2	32.0	18.0	9.0	27.5	0.8	HCBB62X2/Q3125-B1****	8.2	32.0	37.0	22.0	27.5	0.8	HCBB62X2/Q3825-B1****
1.5	32.0	18.0	9.0	27.5	0.8	HCBB62X2/Q3155-B1****							

Notes: (1) "-" means capacitance tolerance code, K=±10%, M=±20% ; "****" means lead form and packaging code (See table 1)
(2)When the rated voltage is 275Va.c.,the digit 10～11 is P2.

HCBB62-X2T

Metallized polypropylene film interference suppression capacitor
(Class X2, 275V/310V Temperature Humidity Bias/THB version)

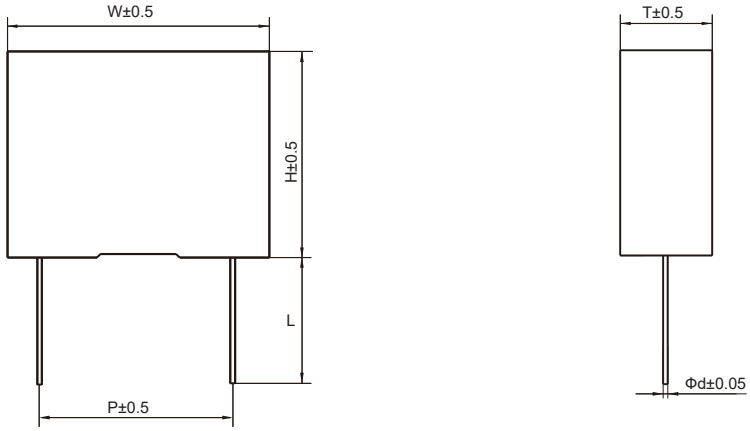
Features

- Applied in reactive compensation system
- Low ESR, could withstand high ripple current
- Low self-inductance and Long life
- Mechanical explosion-proof structure, stable performance and high reliability
- Compliance with AEC-Q200 standard requirements

Safety Approvals

	CQC	GB/T 6346.14	0.001μF-25μF,X2,±10%(K),±20%(M), 275/305/310/330/350Va.c. 40/110/56B,40/100/56B, 40/100/21B, 40/85/21B,40/85/56B File No.: CQC21001289371
	ENEC-VDE	EN 60384-14 IEC 60384-14	0.001μF-25μF,X2,±10%(K),±20%(M), 275/305/310/330/350Va.c. 40/110/56B; 40/100/56B; 40/100/21B; 40/85/21B;40/85/56B File No.: 125834
	UL/CUL	UL 60384-14 CSA E60384 - 1:14 CSA E60384 - 14:14	0.001μF-25μF,X2,±10%(K),±20%(M), 250/275/305/310/330/350Va.c. 40/110/56B; 40/100/56B; 40/100/21B; 40/85/21B;40/85/56B File No.: E311928,CCN:FOWX2/8

Outline Drawing



Note: The dimensions of the product are in mm units.
Outline dimensions can be found in the Product Dimensions Table.

Specifications

Reference standard		GB/T6346.14 (IEC 60384-14)	
Rated voltage		275Va.c./310Va.c. (50Hz/60Hz)	
Capacitance range		0.022μF ~ 25μF	
Capacitance tolerance		±10%(K),±20%(M) (20℃,1kHz)	
Climatic category/ Flame resistant category		40/110/56/B	
Operation temperature range		-40℃~+110℃	
Voltage proof	Between terminals	4.3U_R(Vd.c.)/2s	
	Between terminals and case	2120Va.c./2s	
Insulation resistance(IR×C_N)		$C_N \leqslant 0.33\mu F$,IR≥15000 MΩ $C_N > 0.33\mu F$,IR×CN≥5000s	(20℃,100Vdc,1min)
Dissipation Factor		$C_N \leqslant 1.0\mu F$	≤0.0010(1kHz,20℃) ≤0.0020(10kHz,20℃)
		$C_N > 1.0\mu F$	≤0.0020(1kHz,20℃) ≤0.0040(10kHz,20℃)
THB test (Damp Heat Test with Loading)		Temperature：85℃±2℃；Humidity:85%RH±2%RH Voltage：240Va.c. 50Hz；Duration1000h Capacitance change (△C/C)：≤10% Dissipation factor change(△tanδ)：≤0.5%(1kHz) Insulation resistance：≥50% of the rated value	

Ordering Information

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
H	C	B	B	6	2	X	2	T	/													(	X	X	X	)

Series code — **THB** — **AC rated voltage**: Q3=310V; P2=275V — **Rated capacitance value**: For example: 224=22×10⁴p, F=0.22μF — **Capacitance tolerance**: K=±10%, M=±20% — **Pitch**: 6=15mm; 9=22.5mm; B=27.5mm; F=37.5mm; M=52.5mm — **Internal code**: 0-Standard — **lead form and packaging code**: See table 1 — **Internal code**: To identifiy when the special requirements needed

Table1: Terminal Code

Digit 19		Digit 20		Digit 21		Digit 22	
Code	explanation	Code	explanation	Code	explanation	Code	explanation
A	Ammo-pack	3	F=7.5	0	Straight lead	1	Between two consecutive mounting holes P=12.7mm,H0=18mm(Pitch=7.5)
		4	F=10.0			5	P=25.4mm,H0=18mm(Pitch=10.0/15.0)
		6	F=15.0				
C	straight lead (bulk package)	00	standard lead length (18mm±1mm)			0	length tolerance ±0.5mm Or standard lead length
		35	lead length 3.5mm 1)				

Note: 1) If the length of lead is 4.5mm, then the code number is C450, the rest can be deduced by analogy

Outline Dimensions

275Va.c./310Va.c.													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.022	18.0	11.0	5.0	15.0	0.6	HCBB62X2T/Q3223*60****	0.82	26.5	20.0	11.0	22.5	0.8	HCBB62X2T/Q3824*90****
0.033	18.0	11.0	5.0	15.0	0.6	HCBB62X2T/Q3333*60****	1.0	26.5	22.0	12.0	22.5	0.8	HCBB62X2T/Q3105*90****
0.047	18.0	11.0	5.0	15.0	0.6	HCBB62X2T/Q3473*60****	1.2	26.5	22.0	12.0	22.5	0.8	HCBB62X2T/Q3125*90****
0.068	18.0	11.0	5.0	15.0	0.6	HCBB62X2T/Q3683*60****	1.5	26.5	24.5	14.5	22.5	0.8	HCBB62X2T/Q3155*90****
0.10	18.0	12.0	6.0	15.0	0.6	HCBB62X2T/Q3104*60****	1.8	26.5	24.5	15.5	22.5	0.8	HCBB62X2T/Q3185*90****
0.15	18.0	13.5	7.5	15.0	0.6	HCBB62X2T/Q3154*60****	2.2	26.5	29.5	14.5	22.5	0.8	HCBB62X2T/Q3225*90****
0.18	18.0	13.5	7.5	15.0	0.6	HCBB62X2T/Q3184*60****	0.47	32.0	18.0	9.0	27.5	0.8	HCBB62X2T/Q3474*B0****
0.22	18.0	14.5	8.5	15.0	0.8	HCBB62X2T/Q3224*60****	0.56	32.0	18.0	9.0	27.5	0.8	HCBB62X2T/Q3564*B0****
0.27	18.0	14.5	8.5	15.0	0.8	HCBB62X2T/Q3274*60****	0.68	32.0	18.0	9.0	27.5	0.8	HCBB62X2T/Q3684*B0****
0.33	18.0	16.0	10.0	15.0	0.8	HCBB62X2T/Q3334*60****	0.82	32.0	20.0	11.0	27.5	0.8	HCBB62X2T/Q3824*B0****
0.39	18.0	19.0	11.0	15.0	0.8	HCBB62X2T/Q3394*60****	1.0	32.0	20.0	11.0	27.5	0.8	HCBB62X2T/Q3105*B0****
0.47	18.0	19.0	11.0	15.0	0.8	HCBB62X2T/Q3474*60****	1.2	32.0	22.0	13.0	27.5	0.8	HCBB62X2T/Q3125*B0****
0.15	26.5	15.0	6.0	22.5	0.8	HCBB62X2T/Q3154*90****	1.5	32.0	22.0	13.0	27.5	0.8	HCBB62X2T/Q3155*B0****
0.22	26.5	15.0	6.0	22.5	0.8	HCBB62X2T/Q3224*90****	1.8	32.0	25.0	13.0	27.5	0.8	HCBB62X2T/Q3185*B0****
0.33	26.5	16.0	7.0	22.5	0.8	HCBB62X2T/Q3334*90****	2.2	32.0	28.0	14.0	27.5	0.8	HCBB62X2T/Q3225*B0****
0.39	26.5	17.0	8.5	22.5	0.8	HCBB62X2T/Q3394*90****	2.7	32.0	30.0	16.0	27.5	0.8	HCBB62X2T/Q3275*B0****
0.47	26.5	17.0	8.5	22.5	0.8	HCBB62X2T/Q3474*90****	3.3	32.0	33.0	18.0	27.5	0.8	HCBB62X2T/Q3335*B0****
0.56	26.5	19.0	10.0	22.5	0.8	HCBB62X2T/Q3564*90****	3.9	32.0	33.0	18.0	27.5	0.8	HCBB62X2T/Q3395*B0****
0.68	26.5	19.0	10.0	22.5	0.8	HCBB62X2T/Q3684*90****	4.7	32.0	37.0	22.0	27.5	0.8	HCBB62X2T/Q3475*B0****

Note: (1) "*" means capacitance tolerance code, K=±10%, M=±20%; "****"=terminal code and packing code(see table 1);
(2) When the rated voltage is 275Va.c.,the digit 11 ~ 12 is P2.

Outline Dimensions

275Va.c./310Va.c.													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
1.5	42.0	22.0	11.0	37.5	1.0	HCBB62X2T/Q3155*F0****	6.8	42.0	37.0	22.0	37.5	1.0	HCBB62X2T/Q3685*F0****
1.8	42.0	22.0	11.0	37.5	1.0	HCBB62X2T/Q3185*F0****	8.2	42.0	37.0	26.0	37.5	1.0	HCBB62X2T/Q3825*F0****
2.2	42.0	24.0	13.0	37.5	1.0	HCBB62X2T/Q3225*F0****	10.0	42.0	41.0	26.0	37.5	1.0	HCBB62X2T/Q3106*F0****
2.7	42.0	28.0	14.0	37.5	1.0	HCBB62X2T/Q3275*F0****	12.0	42.0	43.0	28.0	37.5	1.0	HCBB62X2T/Q3126*F0****
3.3	42.0	30.0	16.0	37.5	1.0	HCBB62X2T/Q3335*F0****	15.0M	42.0	45.0	30.0	37.5	1.0	HCBB62X2T/Q3156MF0****
3.9	42.0	30.0	16.0	37.5	1.0	HCBB62X2T/Q3395*F0****	15.0K	42.0	50.0	30.0	37.5	1.0	HCBB62X2T/Q3156KF0****
4.7M	42.0	30.0	16.0	37.5	1.0	HCBB62X2T/Q3475MF0****	18.0	57.5	45.0	30.0	52.5	1.2	HCBB62X2T/Q3186*M0****
4.7K	42.0	32.0	17.0	37.5	1.0	HCBB62X2T/Q3475KF0****	20.0	57.5	45.0	30.0	52.5	1.2	HCBB62X2T/Q3206*M0****
5.6	42.0	34.0	20.0	37.5	1.0	HCBB62X2T/Q3565*F0****	25.0	57.5	50.0	35.0	52.5	1.2	HCBB62X2T/Q3256*M0****

Note: (1) "*" means capacitance tolerance code, K=±10%, M=±20%; "****"=terminal code and packing code(see table 1);
(2) When the rated voltage is 275Va.c.,the digit 11 ~ 12 is P2.

HCBB62-X2T

Metallized polypropylene film interference suppression capacitor
(Class X2, 310V/350V Temperature Humidity Bias/THB version)

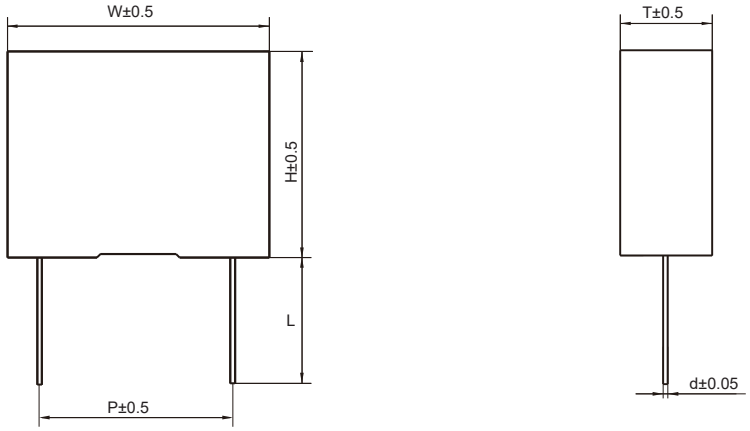
Features

- Used in anti-interference occasions such as power supply cross line
- Metallized polypropylene film ,encapsulated in flame-resistant plastic case,sealed with epoxy resin
- Withstand overvoltage impact
- Excellent flame resistant ability
- High stability of capacitance nder sever ambient condition, such as high temperature and high himidity
- Compliance with AEC-Q200 standard requirements

Safety Approvals

cqc	CQC	GB/T 6346.14	0.001μF-25μF,X2,±10%(K),±20%(M), 275/305/310/330/350Va.c. 40/110/56B,40/100/56B, 40/100/21B, 40/85/21B,40/85/56B File No.: CQC21001289371
EN 10 VDE	ENEC-VDE	EN 60384-14 IEC 60384-14	0.001μF-25μF,X2,±10%(K),±20%(M), 275/305/310/330/350Va.c. 40/110/56B; 40/100/56B; 40/100/21B; 40/85/21B;40/85/56B File No.: 125834
c UL us	UL/CUL	UL 60384-14 CSA E60384 - 1:14 CSA E60384 - 14:14	0.001μF-25μF,X2,±10%(K),±20%(M), 250/275/305/310/330/350Va.c. 40/110/56B; 40/100/56B; 40/100/21B; 40/85/21B;40/85/56B File No.: E311928,CCN:FOWX2/8

Outline Drawing



Note: The dimensions of the product are in mm units.
Outline dimensions can be found in the Product Dimensions Table.

Specifications

Reference standard		GB/T 6346.14 (IEC 60384-14)		
Rated voltage		310Va.c.(50Hz/60Hz)	350Va.c.(50Hz/60Hz)	
Maximum continuous DC voltage		560Vd.c.	630Vd.c.	
Capacitance range		0.1μF~25μF	0.1μF~20μF	
Capacitance tolerance		±10%(K),±20%(M)(20℃,1kHz)		
Climatic category/ flame resistant category		40/110/56/B		
Operation temperature range		-40℃~+110℃		
Voltage proof	Between terminals	4.3U_R(Vd.c.)/2s		
	Between terminals and case	2200Va.c./1min		
Insulation resistance (IR×C_N)		C_N≤0.33μF,IR≥15000 MΩ C_N>0.33μF,IR×C_N≥5000s	(20℃,100Vd.c.,1min)	
Dissipation Factor		0.10μF≤C_N≤1.0μF	≤0.0015(1kHz,20℃)	≤0.0040(10kHz,20℃)
		1.0μF<C_N≤10.0μF	≤0.0030(1kHz,20℃)	_____
		C_N>10.0μF	≤0.0040(1kHz,20℃)	_____
THB test (Damp Heat Test with Loading)		Temperature：85℃±2℃；Humidity:85%RH±2%RH Voltage：300Va.c. 50Hz；Duration1000h Capacitance change (△C/C)：≤10% Dissipation factor change(△tanδ)：≤0.5%(1kHz) Insulation resistance：≥50% of the rated value		

Ordering Information

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
H	C	B	B	6	2	X	2	T	/													(	X	X	X	)

Series code — **THB** — **AC rated voltage**: Q3=310V; R2=350V — **Rated capacitance value**: For example: 224=22×10⁴p, F=0.22μF — **Capacitance tolerance**: K=±10%, M=±20% — **Pitch**: 6=15mm; 9=22.5mm; B=27.5mm; F=37.5mm; M=52.5mm — **Internal code**: M-Inner string structure — **lead form and packaging code**: See table 1 — **Internal code**: To identifiy when the special requirements needed

Note：(1) The customer special requirement express as special code after evaluating by Hongfa.

Table1: Terminal Code

Digit 19		Digit 20		Digit 21		Digit 22	
Code	explanation	Code	explanation	Code	explanation	Code	explanation
A	Ammo-pack	3	F=7.5	0	Straight lead	1	Between two consecutive mounting holes P=12.7mm,H0=18mm(Pitch=7.5)
		4	F=10.0			5	P=25.4mm,H0=18mm(Pitch=10.0/15.0)
		6	F=15.0				
C	straight lead (bulk package)	00	standard lead length (18mm±1mm)			0	length tolerance ±0.5mm Or standard lead length
		35	lead length 3.5mm (1)				

Note: (1) If the length of lead is 4.5mm, then the code number is C450, the rest can be deduced by analogy.

Outline Dimensions

310Va.c.													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.10	18.0	12.0	6.0	15.0	0.6	HCBB62X2T/Q3104*6M****	1.8	26.5	24.5	15.5	22.5	0.8	HCBB62X2T/Q3185*9M****
0.12	18.0	12.0	6.0	15.0	0.6	HCBB62X2T/Q3124*6M****	2.2	26.5	31.0	15.5	22.5	0.8	HCBB62X2T/Q3225*9M****
0.15	18.0	13.5	7.5	15.0	0.6	HCBB62X2T/Q3154*6M****	0.47	32.0	18.0	9.0	27.5	0.8	HCBB62X2T/Q3474*BM****
0.18	18.0	13.5	7.5	15.0	0.6	HCBB62X2T/Q3184*6M****	0.56	32.0	18.0	9.0	27.5	0.8	HCBB62X2T/Q3564*BM****
0.22	18.0	14.5	8.5	15.0	0.6	HCBB62X2T/Q3224*6M****	0.68	32.0	18.0	9.0	27.5	0.8	HCBB62X2T/Q3684*BM****
0.27	18.0	14.5	8.5	15.0	0.6	HCBB62X2T/Q3274*6M****	0.82	32.0	20.0	11.0	27.5	0.8	HCBB62X2T/Q3824*BM****
0.33	18.0	16.0	10.0	15.0	0.8	HCBB62X2T/Q3334*6M****	1.0	32.0	20.0	11.0	27.5	0.8	HCBB62X2T/Q3105*BM****
0.39	18.0	18.0	10.0	15.0	0.8	HCBB62X2T/Q3394*6M****	1.2	32.0	20.0	11.0	27.5	0.8	HCBB62X2T/Q3125*BM****
0.47	18.0	19.0	11.0	15.0	0.8	HCBB62X2T/Q3474*6M****	1.5	32.0	22.0	13.0	27.5	0.8	HCBB62X2T/Q3155*BM****
0.33	26.5	16.0	7.0	22.5	0.8	HCBB62X2T/Q3334*9M****	1.8	32.0	25.0	13.0	27.5	0.8	HCBB62X2T/Q3185*BM****
0.39	26.5	17.0	8.5	22.5	0.8	HCBB62X2T/Q339*9M****	2.2	32.0	24.5	15.0	27.5	0.8	HCBB62X2T/Q3225*BM****
0.47	26.5	17.0	8.5	22.5	0.8	HCBB62X2T/Q3474*9M****	2.7	32.0	30.0	16.0	27.5	0.8	HCBB62X2T/Q3275*BM****
0.56	26.5	19.0	10.0	22.5	0.8	HCBB62X2T/Q3564*9M****	3.3	32.0	30.0	16.0	27.5	0.8	HCBB62X2T/Q3335*BM****
0.68	26.5	19.0	10.0	22.5	0.8	HCBB62X2T/Q3684*9M****	3.9	32.0	33.0	18.0	27.5	0.8	HCBB62X2T/Q3395*BM****
0.82	26.5	20.0	11.0	22.5	0.8	HCBB62X2T/Q3824*9M****	4.7	32.0	34.0	20.0	27.5	0.8	HCBB62X2T/Q3475*BM****
1.0	26.5	22.0	12.0	22.5	0.8	HCBB62X2T/Q3105*9M****	5.6	32.0	37.0	22.0	27.5	0.8	HCBB62X2T/Q3565*BM****
1.2	26.5	22.0	12.0	22.5	0.8	HCBB62X2T/Q3125*9M****	6.8	32.0	40.0	24.0	27.5	0.8	HCBB62X2T/Q3685*BM****
1.5M	26.5	23.0	13.5	22.5	0.8	HCBB62X2T/Q3155M9M****	1.5	42.0	22.0	11.0	37.5	1.0	HCBB62X2T/Q3155*FM****
1.5K	26.5	24.5	14.5	22.5	0.8	HCBB62X2T/Q3155K9M****	1.8	42.0	24.0	13.0	37.5	1.0	HCBB62X2T/Q3185*FM****

Note: (1) "*" means capacitance tolerance code, K=±10%, M=±20%; "****"=terminal code and packing code(see table 1)
(2) When the rated voltage is 350Va.c.,the product is only CQC approved.

Outline Dimensions

310Va.c.													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
2.2	42.0	24.0	13.0	37.5	1.0	HCBB62X2T/Q3225*FM****	8.2	42.0	37.0	26.0	37.5	1.0	HCBB62X2T/Q3825*FM****
2.7	42.0	26.0	15.0	37.5	1.0	HCBB62X2T/Q3275*FM****	10.0	42.0	41.0	26.0	37.5	1.0	HCBB62X2T/Q3106*FM****
3.3	42.0	28.0	14.0	37.5	1.0	HCBB62X2T/Q3335*FM****	12.0	42.0	43.0	28.0	37.5	1.0	HCBB62X2T/Q3126*FM****
3.9	42.0	30.0	16.0	37.5	1.0	HCBB62X2T/Q3395*FM****	15.0M	42.0	45.0	30.0	37.5	1.0	HCBB62X2T/Q3156MFM****
4.7	42.0	32.0	17.0	37.5	1.0	HCBB62X2T/Q3475*FM****	15.0K	42.0	50.0	30.0	37.5	1.0	HCBB62X2T/Q3156KFM****
5.6	42.0	33.5	18.5	37.5	1.0	HCBB62X2T/Q3565*FM****	18.0	57.5	45.0	30.0	52.5	1.2	HCBB62X2T/Q3186*MM****
6.8M	42.0	34.0	20.0	37.5	1.0	HCBB62X2T/Q3685MFM****	20.0M	57.5	45.0	30.0	52.5	1.2	HCBB62X2T/Q3206MMM****
6.8K	42.0	37.0	22.0	37.5	1.0	HCBB62X2T/Q3685KFM****	20.0K	57.5	48.0	30.0	52.5	1.2	HCBB62X2T/Q3206KMM****
							25.0	57.5	50.0	35.0	52.5	1.2	HCBB62X2T/Q3256*MM****
350Va.c.													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.10	18.0	13.5	7.5	15.0	0.6	HCBB62X2T/R2104*6M****	0.68	26.5	20.0	11.0	22.5	0.8	HCBB62X2T/R2684*9M****
0.12	18.0	13.5	7.5	15.0	0.6	HCBB62X2T/R2124*6M****	0.82	26.5	22.0	12.0	22.5	0.8	HCBB62X2T/R2824*9M****
0.15	18.0	14.5	8.5	15.0	0.8	HCBB62X2T/R2154*6M****	1.0	26.5	23.0	13.5	22.5	0.8	HCBB62X2T/R2105*9M****
0.18	18.0	14.5	8.5	15.0	0.8	HCBB62X2T/R2184*6M****	1.2	26.5	24.5	14.5	22.5	0.8	HCBB62X2T/R2125*9M****
0.22	18.0	16.0	10.0	15.0	0.8	HCBB62X2T/R2224*6M****	1.5	26.5	29.5	14.5	22.5	0.8	HCBB62X2T/R2155*9M****
0.27	18.0	16.0	10.0	15.0	0.8	HCBB62X2T/R2274*6M****	1.8	26.5	31.0	15.5	22.5	0.8	HCBB62X2T/R2185*9M****
0.33	18.0	19.0	11.0	15.0	0.8	HCBB62X2T/R2334*6M****	0.33	32.0	18.0	9.0	27.5	0.8	HCBB62X2T/R2334*BM****
0.10	26.5	15.0	6.0	22.5	0.8	HCBB62X2T/R2104*9M****	0.39	32.0	18.0	9.0	27.5	0.8	HCBB62X2T/R2394*BM****
0.12	26.5	15.0	6.0	22.5	0.8	HCBB62X2T/R2124*9M****	0.47	32.0	18.0	9.0	27.5	0.8	HCBB62X2T/R2474*BM****
0.15	26.5	16.0	7.0	22.5	0.8	HCBB62X2T/R2154*9M****	0.56	32.0	18.0	9.0	27.5	0.8	HCBB62X2T/R2564*BM****
0.18	26.5	16.0	7.0	22.5	0.8	HCBB62X2T/R2184*9M****	0.68	32.0	20.0	11.0	27.5	0.8	HCBB62X2T/R2684*BM****
0.22	26.5	16.0	7.0	22.5	0.8	HCBB62X2T/R2224*9M****	0.82	32.0	20.0	11.0	27.5	0.8	HCBB62X2T/R2824*BM****
0.27	26.5	16.0	7.0	22.5	0.8	HCBB62X2T/R2274*9M****	1.0	32.0	22.0	13.0	27.5	0.8	HCBB62X2T/R2105*BM****
0.33	26.5	17.0	8.5	22.5	0.8	HCBB62X2T/R2334*9M****	1.2	32.0	22.0	13.0	27.5	0.8	HCBB62X2T/R2125*BM****
0.39M	26.5	17.0	8.5	22.5	0.8	HCBB62X2T/R2394M9M****	1.5	32.0	24.5	15.0	27.5	0.8	HCBB62X2T/R2155*BM****
0.39K	26.5	19.0	10.0	22.5	0.8	HCBB62X2T/R2394K9M****	1.8	32.0	28.0	14.0	27.5	0.8	HCBB62X2T/R2185*BM****
0.47	26.5	19.0	10.0	22.5	0.8	HCBB62X2T/R2474*9M****	2.2	32.0	30.0	16.0	27.5	0.8	HCBB62X2T/R2225*BM****
0.56	26.5	19.0	10.0	22.5	0.8	HCBB62X2T/R2564*9M****	2.7	32.0	33.0	18.0	27.5	0.8	HCBB62X2T/R2275*BM****

Note: (1) "*" means capacitance tolerance code, K=±10%, M=±20%; "****"=terminal code and packing code(see table 1)
(2) When the rated voltage is 350Va.c.,the product is only CQC approved.

Outline Dimensions

350Va.c.													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
3.3M	32.0	33.0	18.0	27.5	0.8	HCBB62X2T/R2335MBM****	3.3K	42.0	32.0	17.0	37.5	1.0	HCBB62X2T/R2335KFM****
3.3K	32.0	38.0	18.0	27.5	0.8	HCBB62X2T/R2335KBM****	3.9	42.0	34.0	20.0	37.5	1.0	HCBB62X2T/R2395*FM****
3.9	32.0	37.0	22.0	27.5	0.8	HCBB62X2T/R2395*BM****	4.7M	42.0	34.0	20.0	37.5	1.0	HCBB62X2T/R2475MFM****
4.7M	32.0	37.0	22.0	27.5	0.8	HCBB62X2T/R2475MBM****	4.7K	42.0	37.0	22.0	37.5	1.0	HCBB62X2T/R2475KFM****
4.7K	32.0	38.0	24.0	27.5	0.8	HCBB62X2T/R2475KBM****	5.6	42.0	37.0	22.0	37.5	1.0	HCBB62X2T/R2565*FM****
0.68	42.0	22.0	11.0	37.5	1.0	HCBB62X2T/R2684*FM****	6.8M	42.0	37.0	24.0	37.5	1.0	HCBB62X2T/R2685MFM****
0.82	42.0	22.0	11.0	37.5	1.0	HCBB62X2T/R2824*FM****	6.8K	42.0	37.0	26.0	37.5	1.0	HCBB62X2T/R2685KFM****
1.0	42.0	22.0	11.0	37.5	1.0	HCBB62X2T/R2105*FM****	8.2	42.0	43.0	28.0	37.5	1.0	HCBB62X2T/R2825*FM****
1.2	42.0	22.0	11.0	37.5	1.0	HCBB62X2T/R2125*FM****	10.0	42.0	45.0	30.0	37.5	1.0	HCBB62X2T/R2106*FM****
1.5	42.0	24.0	13.0	37.5	1.0	HCBB62X2T/R2155*FM****	12.0	57.5	45.0	30.0	52.5	1.2	HCBB62X2T/R2126*MM****
1.8	42.0	26.0	15.0	37.5	1.0	HCBB62X2T/R2185*FM****	15.0M	57.5	45.0	30.0	52.5	1.2	HCBB62X2T/R2156MMM****
2.2	42.0	26.0	15.0	37.5	1.0	HCBB62X2T/R2225*FM****	15.0K	57.5	48.0	30.0	52.5	1.2	HCBB62X2T/R2156KMM****
2.7	42.0	30.0	16.0	37.5	1.0	HCBB62X2T/R2275*FM****	18.0	57.5	50.0	35.0	52.5	1.2	HCBB62X2T/R2186*MM****
3.3M	42.0	30.0	16.0	37.5	1.0	HCBB62X2T/R2335MFM****	20.0M	57.5	50.0	35.0	52.5	1.2	HCBB62X2T/R2206MMM****

Note: (1) "*" means capacitance tolerance code, K=±10%, M=±20%; "****"=terminal code and packing code(see table 1)
(2) When the rated voltage is 350Va.c.,the product is only CQC approved.

HCBB62-X2R

Metallized polypropylene film interference suppression capacitor divider
(Class X2,275V/310V)

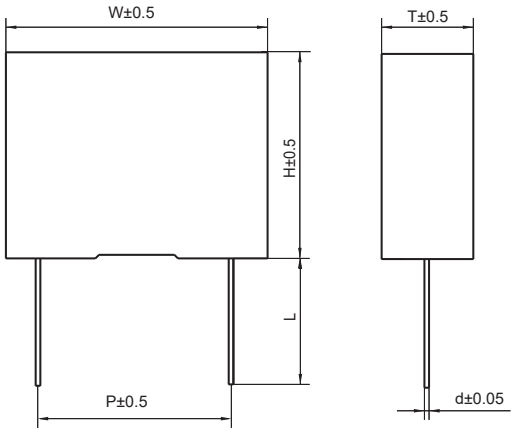
Features

- Specially designed for the capacitive divider circuits in series with 100Va.c.~240Va.c. power supply, such as electricity meter, LED module, etc.
- Metallized polypopylene structure, encapsulated in flame-resistant plastic case, sealed with epoxy resin
- Withstand overvoltage impact, excellent self-healing preoperty
- Excellent flame reistant and moisture resistance abilities
- Excellent capacitance stability

Safety Approvals

cqc	CQC	GB/T 6346.14	0.001μF-25μF;X2; ±10%(K),±20%(M); 275/305/310/330/350Va.c.; 40/110/56B; 40/100/56B; 40/100/21B; 40/85/21B;40/85/56B File No.: CQC21001289371
ENEC 10 DVE	ENEC-VDE	EN 60384-14 IEC 60384- 14	0.001μF-25μF,X2,±10%(K),±20%(M), 275/305/310/330/350Va.c.; 40/110/56B; 40/100/56B; 40/100/21B; 40/85/21B;40/85/56B File No.: 125834
c UL us	UL/CUL	UL 60384-14 CSA E60384-1:14 CSA E60384-14:14	0.001μF-25μF,X2,±10%(K),±20%(M), 250/275/305/310/330/350Va.c.; 40/110/56B; 40/100/56B; 40/100/21B; 40/85/21B;40/85/56B File No.: E311928,CCN:FOWX2/8

Outline Drawing



Specifications

Reference standard	GB/T 6346.14(IEC 60384-14)		
Climatic category	40/110/56/B		
Operating temperature range	-40℃ ~+110℃		
Rated voltage	275Va.c./310Va.c. (50Hz/60Hz)		
Capacitance range	0.010μF~2.2μF		
Capacitance tolerance	±5%(J),±10%(K),±20%(M) (20℃,1kHz)		
Voltage proof	Between terminals	4.3U_R(Vd.c.)/2s	
	Between terminals & case	2120Va.c./2s	
Insulation resistance	≥15 000MΩ,C_N≤0.33μF ≥5 000s,C_N>0.33μF		(20℃,100Vd.c.,1min)
Dissipation factor	C_N≤1.0μF	≤0.0010(1kHz,20℃)	≤0.0020(10kHz,20℃)
	C_N>1.0μF	≤0.0020(1kHz,20℃)	≤0.0040(10kHz,20℃)

Ordering Information

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
H	C	B	B	6	2	X	2	R	/									*	*	*	*	(	×	×	×	)

Series code

Capacitor for capacitive divider

AC rated voltage
- P2=275V
- Q3=310V

Rated capacitance value
For example:
224=22×10⁴ pF
=0.22μF

Capacitance tolerance
- K=±10%
- M=±20%

Pitch
- 4=10.0mm
- 6=15.0mm
- 9=22.5mm
- B=27.5mm

Internal code
0 (normal type)

lead form and packaging code
See table 1

Internal code
To identifiy when the special requirements needed

Table 1 Terminal code

Digit 18		Digit 19		Digit 20		Digit 21	
Code	explanation	Code	explanation	Code	explanation	Code	explanation
A	Ammo-pack	3	F=7.5	0	Straight lead	1	Between two consecutive mounting holes P=12.7mm,H0=18mm(pitch=7.5)
		4	F=10.0			5	P=25.4mm,H0=18mm (pitch=10.0/15.0)
		6	F=15.0				
C	straight lead "C " in the figure above (bulk package)	00	standard lead length (18±1mm)			0	length tolerance ±0.5mm or standard lead length
		35	lead length=3.5mm (1)				

Notes: (1) If the length of lead is 4.5mm, then the code number is C450,etc.

Outline Dimensions

275Va.c. #/310Va.c.													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.01	13.0	9.0	4.0	10.0	0.6	HCBB62X2R/Q3103-40****	0.15	26.5	16.0	7.0	22.5	0.8	HCBB62X2R/Q3154-90****
0.022	13.0	11.0	5.0	10.0	0.6	HCBB62X2R/Q3223-40****	0.18	26.5	16.0	7.0	22.5	0.8	HCBB62X2R/Q3184-90****
0.033	13.0	12.0	6.0	10.0	0.6	HCBB62X2R/Q3333-40****	0.22	26.5	16.0	7.0	22.5	0.8	HCBB62X2R/Q3224-90****
0.047	13.0	12.0	6.0	10.0	0.6	HCBB62X2R/Q3473-40****	0.27	26.5	17.0	8.5	22.5	0.8	HCBB62X2R/Q3274-90****
0.01	18.0	11.0	5.0	15.0	0.6	HCBB62X2R/Q3103-60****	0.33	26.5	17.0	8.5	22.5	0.8	HCBB62X2R/Q3334-90****
0.015	18.0	11.0	5.0	15.0	0.6	HCBB62X2R/Q3153-60****	0.39	26.5	19.0	10.0	22.5	0.8	HCBB62X2R/Q3394-90****
0.022	18.0	11.0	5.0	15.0	0.6	HCBB62X2R/Q3223-60****	0.47M	26.5	19.0	10.0	22.5	0.8	HCBB62X2R/Q3474M90****
0.033	18.0	11.0	5.0	15.0	0.6	HCBB62X2R/Q3333-60****	0.47K	26.5	20.0	11.0	22.5	0.8	HCBB62X2R/Q3474K90****
0.047	18.0	11.0	5.0	15.0	0.6	HCBB62X2R/Q3473-60****	0.56	26.5	19.0	10.0	22.5	0.8	HCBB62X2R/Q3564-90****
0.068	18.0	12.0	6.0	15.0	0.6	HCBB62X2R/Q3683-60****	0.6	26.5	20.0	11.0	22.5	0.8	HCBB62X2R/Q3604-90****
0.1	18.0	14.5	8.5	15.0	0.6	HCBB62X2R/Q3104-60****	0.68	26.5	20.0	11.0	22.5	0.8	HCBB62X2R/Q3684-90****
0.15	18.0	14.5	8.5	15.0	0.6	HCBB62X2R/Q3154-60****	0.75	26.5	20.0	11.0	22.5	0.8	HCBB62X2R/Q3754-90****
0.22	18.0	16.0	10.0	15.0	0.8	HCBB62X2R/Q3224-60****	0.82	26.5	22.0	12.0	22.5	0.8	HCBB62X2R/Q3824-90****
0.33	18.0	19.0	11.0	15.0	0.8	HCBB62X2R/Q3334-60****	0.87	26.5	22.0	12.0	22.5	0.8	HCBB62X2R/Q3874-90****

Notes: (1) "-" means capacitance tolerance code, K=±10%, M=±20% ; "****" means lead form and packaging code (See table 1)
(2)When the rated voltage is 275Va.c.,the digit 10～11 is P2.

Outline Dimensions

275Va.c. #/310Va.c.													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.91	26.5	22.0	12.0	22.5	0.8	HCBB62X2R/Q3914-90****	0.82	32.0	22.0	13.0	27.5	0.8	HCBB62X2R/Q3824-B0****
1.0	26.5	22.0	12.0	22.5	0.8	HCBB62X2R/Q3105-90****	1.0	32.0	22.0	13.0	27.5	0.8	HCBB62X2R/Q3105-B0****
0.39	32.0	18.0	9.0	27.5	0.8	HCBB62X2R/Q3394-B0****	1.2	32.0	28.0	14.0	27.5	0.8	HCBB62X2R/Q3125-B0****
0.47	32.0	18.0	9.0	27.5	0.8	HCBB62X2R/Q3474-B0****	1.5	32.0	28.0	14.0	27.5	0.8	HCBB62X2R/Q3155-B0****
0.56	32.0	20.0	11.0	27.5	0.8	HCBB62X2R/Q3564-B0****	1.8	32.0	30.0	20.0	27.5	0.8	HCBB62X2R/Q3185-B0****
0.60	32.0	20.0	11.0	27.5	0.8	HCBB62X2R/Q3604-B0****	2.2	32.0	33.0	18.0	27.5	0.8	HCBB62X2R/Q3225-B0****
0.68	32.0	20.0	11.0	27.5	0.8	HCBB62X2R/Q3684-B0****							

Notes: (1) "-" means capacitance tolerance code, K=±10%, M=±20% ; "****" means lead form and packaging code (See table 1)
(2)When the rated voltage is 275Va.c.,the digit 10～11 is P2.

HMMKP82

Double sided metallized polypropylene film capacitor (Box-type)

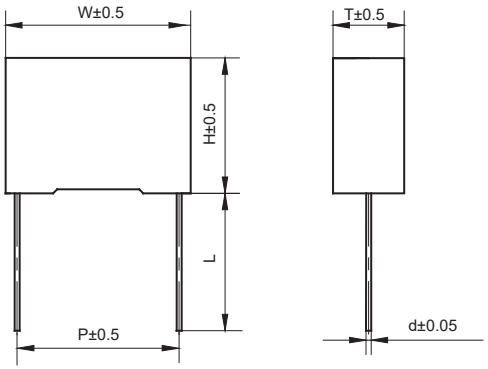
Features

- Negative temperature coefficient of capacitance
- Double sided metallized polypropylene film
- Low loss and small inherent temperature rise
- Excellent active and passive flame resistant abilities

Typical Applications

- Widely used in high voltage,high frequency and pulse circuit

Outline Drawing



Specifications

Reference Standard	GB/T 10190(IEC60384-16)					
Climatic Category	40/105/56					
Operating Temperature Range	-40℃~105℃ +75℃~+105℃: decreasing factor 1.35% per ℃ for UR (a.c.) +85℃~+105℃: decreasing factor 1.25% per ℃ for UR (d.c.)					
Rated Temperature	85℃ for UR(Vd.c.),75℃ for UR(Va.c.)					
Rated Voltage	250Vd.c./180va.c.,400Vd.c./250va.c.,630Vd.c./400va.c., 1000Vd.c./600va.c.,1600Vd.c./650va.c.,2000Vd.c./700va.c.					
Capacitance Range	0.00068μF~3.9μF					
Capacitance Tolerance	±5%(J),±10%(K),±20%(M) (20℃±5℃, 1kHz)					
Voltage Proof	1.6U_R (5s)					
Dissipation Factor	≤0.0010 (1kHz,20℃)					
Insulation Resistance (IR×C_N)	≥100000MΩ,C_N≤0.33μF ≥30000s,C_N>0.33μF	(20℃,100Vd.c.,1min)				
Max. Pulse Rise Time: If the working voltage(U) is lower than the rate voltage (U_R), the capacitor can be worked at high dV/dt condition. In this case, the maximum allowed dV/dt is obtained by multiplying the right value with U_R/U.	U_R (V)	dV/dt(V/μs)				
		P=7.5mm	P=10.0mm	P=15.0mm	P=22.5mm	P=27.5mm
	250	1200	1000	550	250	200
	400	1800	1500	900	500	300
	630	3200	3200	2500	1500	900
	1000	6000	6000	3300	2100	1000
	1600	—	8000	6000	3000	2000
	2000	—	—	10000	5000	2200

Ordering Information

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
H	M	M	K	P	8	2	/	3	A	2	2	4	J	6	0					(	×	×	×	)

Series code

DC rated voltage

2E=250V
2G=400V
2J=630V
3A=1000V
3C=1600V
3D=2000V

Rated capacitance value

For example:
334=33×10⁴ pF
=0.33μF

Capacitance tolerance

J=±5%
K=±10%

Pitch

3=7.5mm
4=10mm
6=15mm
9=22.5mm
B=27.5mm

Internal code

(specially designed part)

lead form and packaging code

See table 1

Internal code

To identifiy when the special requirements needed

Table 1 Terminals code

Digit 17		Digit 18		Digit 19		Digit 20	
Code	explanation	Code	explanation	Code	explanation	Code	explanation
A	ammo-pack	3	P=7.5mm	0	straight	1	Between two consecutive mounting holes P=12.7mm,H=18.0mm(For pitch=7.5mm)
		4	P=10.0mm			5	Between two consecutive mounting holes P=25.4mm, H=18.0mm (For pitch=10/15mm)
		6	P=15.0mm				
C	straight lead	00	standard lead length (18mm~28mm)			0	length tolerance ±0.5mm or standard length
		35	lead length 3.5mm				

Outline dimensions

250Vd.c.(180Va.c.)													
CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information	CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information
0.068	18.0	11.0	5.0	15.0	0.8	HMMKP82/2E683-60****	0.47	26.5	16.0	7.0	22.5	0.8	HMMKP82/2E474-90****
0.082	18.0	11.0	5.0	15.0	0.8	HMMKP82/2E823-60****	0.56	26.5	17.0	8.5	22.5	0.8	HMMKP82/2E564-90****
0.10	18.0	11.0	5.0	15.0	0.8	HMMKP82/2E104-60****	0.68	26.5	19.0	10.0	22.5	0.8	HMMKP82/2E684-90****
0.12	18.0	12.0	6.0	15.0	0.8	HMMKP82/2E124-60****	0.82	26.5	19.0	10.0	22.5	0.8	HMMKP82/2E824-90****
0.15	18.0	12.0	6.0	15.0	0.8	HMMKP82/2E154-60****	1.0	26.5	22.0	12.0	22.5	0.8	HMMKP82/2E105-90****
0.18	18.0	13.5	7.5	15.0	0.8	HMMKP82/2E184-60****	0.68	32.0	18.0	9.0	27.5	0.8	HMMKP82/2E684-B0****
0.22	18.0	13.5	7.5	15.0	0.8	HMMKP82/2E224-60****	0.82	32.0	18.0	9.0	27.5	0.8	HMMKP82/2E824-B0****
0.27	18.0	14.5	8.5	15.0	0.8	HMMKP82/2E274-60****	1.0	32.0	20.0	11.0	27.5	0.8	HMMKP82/2E105-B0****
0.33	18.0	16.0	10.0	15.0	0.8	HMMKP82/2E334-60****	1.2	32.0	20.0	11.0	27.5	0.8	HMMKP82/2E125-B0****
0.39	18.0	16.0	10.0	15.0	0.8	HMMKP82/2E394-60****	1.5	32.0	22.0	13.0	27.5	0.8	HMMKP82/2E155-B0****
0.47	18.0	19.0	11.0	15.0	0.8	HMMKP82/2E474-60****	1.8	32.0	24.5	15.0	27.5	0.8	HMMKP82/2E185-B0****
0.18	26.5	15.0	6.0	22.5	0.8	HMMKP82/2E184-90****	2.2	32.0	28.0	14.0	27.5	0.8	HMMKP82/2E225-B0****
0.22	26.5	15.0	6.0	22.5	0.8	HMMKP82/2E224-90****	2.7	32.0	33.0	18.0	27.5	0.8	HMMKP82/2E275-B0****
0.27	26.5	15.0	6.0	22.5	0.8	HMMKP82/2E274-90****	3.3	32.0	33.0	18.0	27.5	0.8	HMMKP82/2E335-B0****
0.33	26.5	15.0	6.0	22.5	0.8	HMMKP82/2E334-90****	3.9	32.0	33.0	18.0	27.5	0.8	HMMKP82/2E395-B0****
0.39	26.5	16.0	7.0	22.5	0.8	HMMKP82/2E394-90****							

Notes: (1)"-"=capacitance tolerance code,J=±5%, K=±10%,M=±20%;
(2)"****"=terminal code and packaging code (see table 1).

Outline dimensions

400Vd.c. (250Va.c.)													
CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information	CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information
0.022	10.0	12.0	6.0	7.5	0.6	HMMKP82/2G223-30****	0.27	18.0	16.0	10.0	15.0	0.8	HMMKP82/2G274-60****
0.027	10.0	12.0	6.0	7.5	0.6	HMMKP82/2G273-30****	0.33	18.0	19.0	11.0	15.0	0.8	HMMKP82/2G334-60****
0.01	13.0	9.0	4.0	10.0	0.6	HMMKP82/2G103-40****	0.39	18.0	19.0	11.0	15.0	0.8	HMMKP82/2G394-60****
0.012	13.0	9.0	4.0	10.0	0.6	HMMKP82/2G123-40****	0.12	26.5	15.0	6.0	22.5	0.8	HMMKP82/2G124-90****
0.015	13.0	9.0	4.0	10.0	0.6	HMMKP82/2G153-40****	0.15	26.5	15.0	6.0	22.5	0.8	HMMKP82/2G154-90****
0.018	13.0	9.0	4.0	10.0	0.6	HMMKP82/2G183-40****	0.18	26.5	15.0	6.0	22.5	0.8	HMMKP82/2G184-90****
0.022	13.0	9.0	4.0	10.0	0.6	HMMKP82/2G223-40****	0.22	26.5	16.0	7.0	22.5	0.8	HMMKP82/2G224-90****
0.027	13.0	9.0	4.0	10.0	0.6	HMMKP82/2G273-40****	0.27	26.5	17.0	8.5	22.5	0.8	HMMKP82/2G274-90****
0.033	13.0	11.0	5.0	10.0	0.6	HMMKP82/2G333-40****	0.33	26.5	17.0	8.5	22.5	0.8	HMMKP82/2G334-90****
0.039	13.0	12.0	6.0	10.0	0.6	HMMKP82/2G393-40****	0.39	26.5	17.0	8.5	22.5	0.8	HMMKP82/2G394-90****
0.047	13.0	12.0	6.0	10.0	0.6	HMMKP82/2G473-40****	0.47	26.5	19.0	10.0	22.5	0.8	HMMKP82/2G474-90****
0.033	18.0	11.0	5.0	15.0	0.8	HMMKP82/2G333-60****	0.56	26.5	22.0	12.0	22.5	0.8	HMMKP82/2G564-90****
0.039	18.0	11.0	5.0	15.0	0.8	HMMKP82/2G393-60****	0.68	26.5	22.0	12.0	22.5	0.8	HMMKP82/2G684-90****
0.047	18.0	11.0	5.0	15.0	0.8	HMMKP82/2G473-60****	0.39	32.0	18.0	9.0	27.5	0.8	HMMKP82/2G394-B0****
0.056	18.0	11.0	5.0	15.0	0.8	HMMKP82/2G563-60****	0.47	32.0	18.0	9.0	27.5	0.8	HMMKP82/2G474-B0****
0.068	18.0	11.0	5.0	15.0	0.8	HMMKP82/2G683-60****	0.56	32.0	20.0	11.0	27.5	0.8	HMMKP82/2G564-B0****
0.082	18.0	12.0	6.0	15.0	0.8	HMMKP82/2G823-60****	0.68	32.0	20.0	11.0	27.5	0.8	HMMKP82/2G684-B0****
0.10	18.0	12.0	6.0	15.0	0.8	HMMKP82/2G104-60****	0.82	32.0	22.0	13.0	27.5	0.8	HMMKP82/2G824-B0****
0.12	18.0	13.5	7.5	15.0	0.8	HMMKP82/2G124-60****	1.0	32.0	22.0	13.0	27.5	0.8	HMMKP82/2G105-B0****
0.15	18.0	13.5	7.5	15.0	0.8	HMMKP82/2G154-60****	1.2	32.0	24.5	15.0	27.5	0.8	HMMKP82/2G125-B0****
0.18	18.0	14.5	8.5	15.0	0.8	HMMKP82/2G184-60****	1.5	32.0	24.5	15.0	27.5	0.8	HMMKP82/2G155-B0****
0.22	18.0	16.0	10.0	15.0	0.8	HMMKP82/2G224-60****	1.8	32.0	33.0	18.0	27.5	0.8	HMMKP82/2G185-B0****
							2.2	32.0	33.0	18.0	27.5	0.8	HMMKP82/2G225-B0****
630Vd.c. (400Va.c.)													
CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information	CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information
0.0010	10.0	9.0	4.0	7.5	0.6	HMMKP82/2J102-30****	0.0018	10.0	9.0	4.0	7.5	0.6	HMMKP82/2J182-30****
0.0012	10.0	9.0	4.0	7.5	0.6	HMMKP82/2J122-30****	0.0022	10.0	9.0	4.0	7.5	0.6	HMMKP82/2J222-30****
0.0015	10.0	9.0	4.0	7.5	0.6	HMMKP82/2J152-30****	0.0027	10.0	9.0	4.0	7.5	0.6	HMMKP82/2J272-30****

Notes: (1)"-"=capacitance tolerance code,J=±5%, K=±10%,M=±20%;
(2)"****"=terminal code and packaging code (see table 1).

Outline dimensions

630Vd.c. (400Va.c.)													
CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information	CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information
0.0033	10.0	9.0	4.0	7.5	0.6	HMMKP82/2J332-30****	0.10	18.0	16.0	10.0	15.0	0.8	HMMKP82/2J104-60****
0.0039	10.0	9.0	4.0	7.5	0.6	HMMKP82/2J392-30****	0.12	18.0	19.0	11.0	15.0	0.8	HMMKP82/2J124-60****
0.0047	10.0	9.0	4.0	7.5	0.6	HMMKP82/2J472-30****	0.15	18.0	19.0	11.0	15.0	0.8	HMMKP82/2J154-60****
0.0056	10.0	9.0	4.0	7.5	0.6	HMMKP82/2J562-30****	0.047	26.5	15.0	6.0	22.5	0.8	HMMKP82/2J473-90****
0.0068	10.0	11.0	5.0	7.5	0.6	HMMKP82/2J682-30****	0.056	26.5	15.0	6.0	22.5	0.8	HMMKP82/2J563-90****
0.0082	10.0	11.0	5.0	7.5	0.6	HMMKP82/2J822-30****	0.068	26.5	15.0	6.0	22.5	0.8	HMMKP82/2J683-90****
0.010	10.0	12.0	6.0	7.5	0.6	HMMKP82/2J103-30****	0.082	26.5	15.0	6.0	22.5	0.8	HMMKP82/2J823-90****
0.012	10.0	12.0	6.0	7.5	0.6	HMMKP82/2J123-30****	0.10	26.5	15.0	6.0	22.5	0.8	HMMKP82/2J104-90****
0.0039	13.0	9.0	4.0	10.0	0.6	HMMKP82/2J392-40****	0.12	26.5	16.0	7.0	22.5	0.8	HMMKP82/2J124-90****
0.0047	13.0	9.0	4.0	10.0	0.6	HMMKP82/2J472-40****	0.15	26.5	17.0	8.5	22.5	0.8	HMMKP82/2J154-90****
0.0056	13.0	9.0	4.0	10.0	0.6	HMMKP82/2J562-40****	0.18	26.5	17.0	8.5	22.5	0.8	HMMKP82/2J184-90****
0.0068	13.0	9.0	4.0	10.0	0.6	HMMKP82/2J682-40****	0.22	26.5	19.0	10.0	22.5	0.8	HMMKP82/2J224-90****
0.0082	13.0	9.0	4.0	10.0	0.6	HMMKP82/2J822-40****	0.27	26.5	20.0	11.0	22.5	0.8	HMMKP82/2J274-90****
0.010	13.0	11.0	5.0	10.0	0.6	HMMKP82/2J103-40****	0.33	26.5	22.0	12.0	22.5	0.8	HMMKP82/2J334-90****
0.012	13.0	11.0	5.0	10.0	0.6	HMMKP82/2J123-40****	0.39	26.5	22.0	12.0	22.5	0.8	HMMKP82/2J394-90****
0.015	13.0	12.0	6.0	10.0	0.6	HMMKP82/2J153-40****	0.15	32.0	18.0	9.0	27.5	0.8	HMMKP82/2J154-B0****
0.018	13.0	12.0	6.0	10.0	0.6	HMMKP82/2J223-40****	0.18	32.0	18.0	9.0	27.5	0.8	HMMKP82/2J184-B0****
0.012	18.0	11.0	5.0	15.0	0.8	HMMKP82/2J123-60****	0.22	32.0	18.0	9.0	27.5	0.8	HMMKP82/2J224-B0****
0.015	18.0	11.0	5.0	15.0	0.8	HMMKP82/2J153-60****	0.27	32.0	18.0	9.0	27.5	0.8	HMMKP82/2J274-B0****
0.018	18.0	11.0	5.0	15.0	0.8	HMMKP82/2J183-60****	0.33	32.0	20.0	11.0	27.5	0.8	HMMKP82/2J334-B0****
0.022	18.0	11.0	5.0	15.0	0.8	HMMKP82/2J223-60****	0.39	32.0	20.0	11.0	27.5	0.8	HMMKP82/2J394-B0****
0.027	18.0	11.0	5.0	15.0	0.8	HMMKP82/2J273-60****	0.47	32.0	22.0	13.0	27.5	0.8	HMMKP82/2J474-B0****
0.033	18.0	12.0	6.0	15.0	0.8	HMMKP82/2J333-60****	0.56	32.0	22.0	13.0	27.5	0.8	HMMKP82/2J564-B0****
0.039	18.0	12.0	6.0	15.0	0.8	HMMKP82/2J393-60****	0.68	32.0	24.5	15.0	27.5	0.8	HMMKP82/2J684-B0****
0.047	18.0	12.0	6.0	15.0	0.8	HMMKP82/2J473-60****	0.82	32.0	28.0	14.0	27.5	0.8	HMMKP82/2J824-B0****
0.056	18.0	13.5	7.5	15.0	0.8	HMMKP82/2J563-60****	1.0	32.0	33.0	18.0	27.5	0.8	HMMKP82/2J105-B0****
0.068	18.0	14.5	8.5	15.0	0.8	HMMKP82/2J683-60****	1.2	32.0	33.0	18.0	27.5	0.8	HMMKP82/2J125-B0****
0.082	18.0	14.5	8.5	15.0	0.8	HMMKP82/2J823-60****	1.5	32.0	37.0	22.0	27.5	0.8	HMMKP82/2J155-B0****
							1.8	32.0	37.2	22.0	27.5	0.8	HMMKP82/2J185-B0****

Notes: (1)"-"=capacitance tolerance code,J=±5%, K=±10%,M=±20%;
(2)"****"=terminal code and packaging code (see table 1).

Outline dimensions

1000Vd.c. (600Va.c.)													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information
0.00068	10.0	9.0	4.0	7.5	0.6	HMMKP82/3A681-30****	0.022	18.0	13.5	7.5	15.0	0.8	HMMKP82/3A223-60****
0.00082	10.0	9.0	4.0	7.5	0.6	HMMKP82/3A821-30****	0.027	18.0	13.5	7.5	15.0	0.8	HMMKP82/3A273-60****
0.0010	10.0	9.0	4.0	7.5	0.6	HMMKP82/3A102-30****	0.033	18.0	14.5	8.5	15.0	0.8	HMMKP82/3A333-60****
0.0012	10.0	9.0	4.0	7.5	0.6	HMMKP82/3A122-30****	0.039	18.0	16.0	10.0	15.0	0.8	HMMKP82/3A393-60****
0.0015	10.0	11.0	5.0	7.5	0.6	HMMKP82/3A152-30****	0.047	18.0	16.0	10.0	15.0	0.8	HMMKP82/3A473-60****
0.0018	10.0	11.0	5.0	7.5	0.6	HMMKP82/3A182-30****	0.056	18.0	19.0	11.0	15.0	0.8	HMMKP82/3A563-60****
0.0022	10.0	11.0	5.0	7.5	0.6	HMMKP82/3A222-30****	0.033	26.5	15.0	6.0	22.5	0.8	HMMKP82/3A333-90****
0.0027	10.0	12.0	6.0	7.5	0.6	HMMKP82/3A272-30****	0.039	26.5	15.0	6.0	22.5	0.8	HMMKP82/3A393-90****
0.0033	10.0	12.0	6.0	7.5	0.6	HMMKP82/3A332-30****	0.047	26.5	16.0	7.0	22.5	0.8	HMMKP82/3A473-90****
0.0039	10.0	12.0	6.0	7.5	0.6	HMMKP82/3A392-30****	0.056	26.5	16.0	7.0	22.5	0.8	HMMKP82/3A563-90****
0.0010	13.0	9.0	4.0	10.0	0.6	HMMKP82/3A102-40****	0.068	26.5	17.0	8.5	22.5	0.8	HMMKP82/3A683-90****
0.0012	13.0	9.0	4.0	10.0	0.6	HMMKP82/3A122-40****	0.082	26.5	17.0	8.5	22.5	0.8	HMMKP82/3A823-90****
0.0015	13.0	9.0	4.0	10.0	0.6	HMMKP82/3A152-40****	0.10	26.5	19.0	10.0	22.5	0.8	HMMKP82/3A104-90****
0.0018	13.0	9.0	4.0	10.0	0.6	HMMKP82/3A182-40****	0.12	26.5	20.0	11.0	22.5	0.8	HMMKP82/3A124-90****
0.0022	13.0	9.0	4.0	10.0	0.6	HMMKP82/3A222-40****	0.15	26.5	22.0	12.0	22.5	0.8	HMMKP82/3A154-90****
0.0027	13.0	9.0	4.0	10.0	0.6	HMMKP82/3A272-40****	0.18	26.5	22.0	12.0	22.5	0.8	HMMKP82/3A184-90****
0.0033	13.0	9.0	4.0	10.0	0.6	HMMKP82/3A332-40****	0.10	32.0	18.0	9.0	27.5	0.8	HMMKP82/3A104-B0****
0.0039	13.0	11.0	5.0	10.0	0.6	HMMKP82/3A392-40****	0.12	32.0	20.0	11.0	27.5	0.8	HMMKP82/3A124-B0****
0.0047	13.0	11.0	5.0	10.0	0.6	HMMKP82/3A472-40****	0.15	32.0	20.0	11.0	27.5	0.8	HMMKP82/3A154-B0****
0.0056	13.0	12.0	6.0	10.0	0.6	HMMKP82/3A562-40****	0.18	32.0	22.0	13.0	27.5	0.8	HMMKP82/3A184-B0****
0.0068	13.0	12.0	0.6	10.0	0.6	HMMKP82/3A682-40****	0.22	32.0	22.0	13.0	27.5	0.8	HMMKP82/3A224-B0****
0.0082	18.0	11.0	5.0	15.0	0.8	HMMKP82/3A822-60****	0.27	32.0	24.5	15.0	27.5	0.8	HMMKP82/3A274-B0****
0.010	18.0	11.0	5.0	15.0	0.8	HMMKP82/3A103-60****	0.33	32.0	28.0	14.0	27.5	0.8	HMMKP82/3A334-B0****
0.012	18.0	11.0	5.0	15.0	0.8	HMMKP82/3A123-60****	0.39	32.0	33.0	18.0	27.5	0.8	HMMKP82/3A394-B0****
0.015	18.0	11.0	5.0	15.0	0.8	HMMKP82/3A153-60****	0.47	32.0	33.0	18.0	27.5	0.8	HMMKP82/3A474-B0****
0.018	18.0	12.0	6.0	15.0	0.8	HMMKP82/3A183-60****							

Notes: (1)"-"=capacitance tolerance code,J=±5%, K=±10%,M=±20%;
(2)"****"=terminal code and packaging code (see table 1).

Outline dimensions

1600Vd.c. (650Va.c.)													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information
0.00068	18.0	11.0	5.0	15.0	0.8	HMMKP82/3C681-60****	0.022	26.5	15.0	6.0	22.5	0.8	HMMKP82/3C223-90****
0.00082	18.0	11.0	5.0	15.0	0.8	HMMKP82/3C821-60****	0.027	26.5	15.0	6.0	22.5	0.8	HMMKP82/3C273-90****
0.0010	18.0	11.0	5.0	15.0	0.8	HMMKP82/3C102-60****	0.033	26.5	16.0	7.0	22.5	0.8	HMMKP82/3C333-90****
0.0012	18.0	11.0	5.0	15.0	0.8	HMMKP82/3C122-60****	0.039	26.5	17.0	8.5	22.5	0.8	HMMKP82/3C393-90****
0.0015	18.0	11.0	5.0	15.0	0.8	HMMKP82/3C152-60****	0.047	26.5	19.0	10.0	22.5	0.8	HMMKP82/3C473-90****
0.0018	18.0	11.0	5.0	15.0	0.8	HMMKP82/3C182-60****	0.056	26.5	19.0	10.0	22.5	0.8	HMMKP82/3C563-90****
0.0022	18.0	11.0	5.0	15.0	0.8	HMMKP82/3C222-60****	0.068	26.5	20.0	11.0	22.5	0.8	HMMKP82/3C683-90****
0.0027	18.0	11.0	5.0	15.0	0.8	HMMKP82/3C272-60****	0.082	26.5	22.0	12.0	22.5	0.8	HMMKP82/3C823-90****
0.0033	18.0	11.0	5.0	15.0	0.8	HMMKP82/3C332-60****	0.10	26.5	22.0	12.0	22.5	0.8	HMMKP82/3C104-90****
0.0039	18.0	11.0	5.0	15.0	0.8	HMMKP82/3C392-60****	0.039	32.0	18.0	9.0	27.5	0.8	HMMKP82/3C393-B0****
0.0047	18.0	11.0	5.0	15.0	0.8	HMMKP82/3C472-60****	0.047	32.0	18.0	9.0	27.5	0.8	HMMKP82/3C473-B0****
0.0056	18.0	11.0	5.0	15.0	0.8	HMMKP82/3C562-60****	0.056	32.0	18.0	9.0	27.5	0.8	HMMKP82/3C563-B0****
0.0068	18.0	11.0	5.0	15.0	0.8	HMMKP82/3C682-60****	0.068	32.0	18.0	9.0	27.5	0.8	HMMKP82/3C683-B0****
0.0082	18.0	12.0	6.0	15.0	0.8	HMMKP82/3C822-60****	0.082	32.0	20.0	11.0	27.5	0.8	HMMKP82/3C823-B0****
0.010	18.0	12.0	6.0	15.0	0.8	HMMKP82/3C103-60****	0.10	32.0	20.0	11.0	27.5	0.8	HMMKP82/3C104-B0****
0.012	18.0	13.5	7.5	15.0	0.8	HMMKP82/3C123-60****	0.12	32.0	22.0	13.0	27.5	0.8	HMMKP82/3C124-B0****
0.015	18.0	13.5	7.5	15.0	0.8	HMMKP82/3C153-60****	0.15	32.0	28.0	14.0	27.5	0.8	HMMKP82/3C154-B0****
0.018	18.0	14.5	8.5	15.0	0.8	HMMKP82/3C183-60****	0.18	32.0	28.0	14.0	27.5	0.8	HMMKP82/3C184-B0****
0.022	18.0	14.5	8.5	15.0	0.8	HMMKP82/3C223-60****	0.22	32.0	28.0	17.0	27.5	0.8	HMMKP82/3C224-B0****
0.027	18.0	16.0	10.0	15.0	0.8	HMMKP82/3C273-60****	0.27	32.0	33.0	18.0	27.5	0.8	HMMKP82/3C274-B0****
0.033	18.0	19.0	11.0	15.0	0.8	HMMKP82/3C333-60****	0.33	32.0	33.0	18.0	27.5	0.8	HMMKP82/3C334-B0****
0.015	26.5	15.0	6.0	22.5	0.8	HMMKP82/3C153-90****	0.39	32.0	37.0	22.0	27.5	0.8	HMMKP82/3C394-B0****
0.018	26.5	15.0	6.0	22.5	0.8	HMMKP82/3C183-90****	0.47	32.0	37.0	22.0	27.5	0.8	HMMKP82/3C474-B0****
2000Vd.c. (700Va.c.)													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information
0.0010	18.0	11.0	5.0	15.0	0.8	HMMKP82/3D102-60****	0.0022	18.0	11.0	5.0	15.0	0.8	HMMKP82/3D222-60****
0.0012	18.0	11.0	5.0	15.0	0.8	HMMKP82/3D122-60****	0.0027	18.0	11.0	5.0	15.0	0.8	HMMKP82/3D272-60****
0.0015	18.0	11.0	5.0	15.0	0.8	HMMKP82/3D152-60****	0.0033	18.0	12.0	6.0	15.0	0.8	HMMKP82/3D332-60****
0.0018	18.0	11.0	5.0	15.0	0.8	HMMKP82/3D182-60****	0.0039	18.0	12.0	6.0	15.0	0.8	HMMKP82/3D392-60****

Notes: (1)"-"=capacitance tolerance code,J=±5%, K=±10%,M=±20%;
(2)"****"=terminal code and packaging code (see table 1).

Outline dimensions

2000Vd.c. (700Va.c.)													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information
0.0047	18.0	12.0	6.0	15.0	0.8	HMMKP82/3D472-60****	0.022	26.5	17.0	8.5	22.5	0.8	HMMKP82/3D223-90****
0.0056	18.0	13.5	7.5	15.0	0.8	HMMKP82/3D562-60****	0.027	26.5	19.0	10.0	22.5	0.8	HMMKP82/3D273-90****
0.0068	18.0	13.5	7.5	15.0	0.8	HMMKP82/3D682-60****	0.033	26.5	19.0	10.0	22.5	0.8	HMMKP82/3D333-90****
0.0082	18.0	14.5	8.5	15.0	0.8	HMMKP82/3D822-60****	0.039	26.5	22.0	12.0	22.5	0.8	HMMKP82/3D393-90****
0.010	18.0	16.0	10.0	15.0	0.8	HMMKP82/3D103-60****	0.047	26.5	22.0	12.0	22.5	0.8	HMMKP82/3D473-90****
0.012	18.0	16.0	10.0	15.0	0.8	HMMKP82/3D123-60****	0.022	32.0	18.0	9.0	27.5	0.8	HMMKP82/3D223-B0****
0.015	18.0	19.0	11.0	15.0	0.8	HMMKP82/3D153-60****	0.027	32.0	18.0	9.0	27.5	0.8	HMMKP82/3D273-B0****
0.018	18.0	19.0	11.0	15.0	0.8	HMMKP82/3D183-60****	0.033	32.0	18.0	9.0	27.5	0.8	HMMKP82/3D333-B0****
0.0047	26.5	15.0	6.0	22.5	0.8	HMMKP82/3D472-90****	0.039	32.0	20.0	11.0	27.5	0.8	HMMKP82/3D393-B0****
0.0056	26.5	15.0	6.0	22.5	0.8	HMMKP82/3D562-90****	0.047	32.0	20.0	11.0	27.5	0.8	HMMKP82/3D473-B0****
0.0068	26.5	15.0	6.0	22.5	0.8	HMMKP82/3D682-90****	0.056	32.0	22.0	13.0	27.5	0.8	HMMKP82/3D563-B0****
0.0082	26.5	15.0	6.0	22.5	0.8	HMMKP82/3D822-90****	0.068	32.0	22.0	13.0	27.5	0.8	HMMKP82/3D683-B0****
0.010	26.5	15.0	6.0	22.5	0.8	HMMKP82/3D103-90****	0.082	32.0	28.0	14.0	27.5	0.8	HMMKP82/3D823-B0****
0.012	26.5	15.0	6.0	22.5	0.8	HMMKP82/3D123-90****	0.10	32.0	28.0	14.0	27.5	0.8	HMMKP82/3D104-B0****
0.015	26.5	16.0	7.0	22.5	0.8	HMMKP82/3D153-90****	0.12	32.0	33.0	18.0	27.5	0.8	HMMKP82/3D124-B0****
0.018	26.5	16.0	7.0	22.5	0.8	HMMKP82/3D183-90****	0.15	32.0	33.0	18.0	27.5	0.8	HMMKP82/3D154-B0****

Notes: (1)"-"=capacitance tolerance code,J=±5%, K=±10%,M=±20%;
(2)"****"=terminal code and packaging code (see table 1).

HMKP21

Metallized polypropylene film capacitor

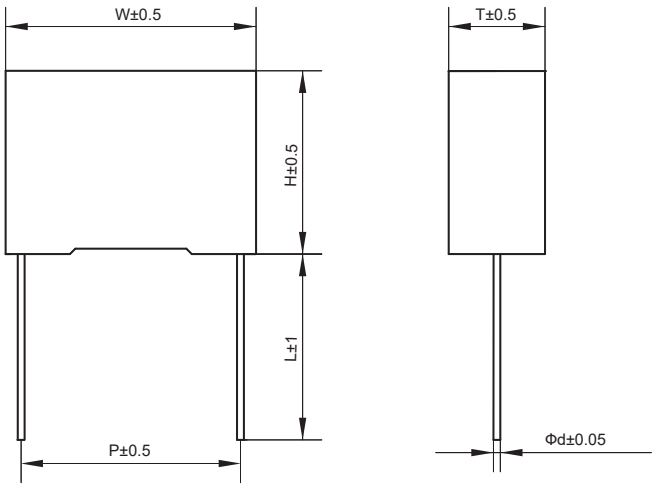
Features

- Metallized polypropylene film
- Low loss at high frequency
- Small inherent temperature rise
- Plastic case (UL94V-0),epoxy resin sealing

Typical Applications

- Widely used in high frequency,DC,AC and pulse-circuits
- Applied to S-correction of TV sets and monitors

Outline Drawing



Specifications

Reference standard	GB/T10190 (IEC 60384-16)					
Climatic category	55/105/56					
Operating temperature range	-55℃~105℃(+85℃~+105℃:decreasing factor 1.25% per℃ for U_R)					
Rated temperature	85℃					
Rated voltage	160Vd.c.(90Va.c.),250Vd.c.(160Vd.c.),400Vd.c.(220Va.c.),630Vd.c.(250Va.c.), 1000Vd.c.(400Va.c.),1600Vd.c.(600Va.c.),2000Vd.c.(700Va.c.)					
Capacitance range	0.00056μF~15μF					
Capacitance tolerance	±2%(G), ±3%(H), ±5%(J), ±10%(K), ±20%(M) (20℃±5℃, 1kHz)					
Voltage proof	1.6U_R (5s)					
Dissipation factor	≤0.0010 (1kHz, 20℃)					
Insulation resistance	≥100000MΩ,C_N ≤0.33μF ≥30000s,C_N >0.33μF	(20℃,100Vd.c,1min)				
Max. Pulse Rise Time: If the working voltage(U) is lower than the rate voltage (U_R), the capacitor can be worked at high dV/dt condition. In this case, the maximum allowed dV/dt is obtained by multiplying the right value with U_R/U.	U_R (V)	dV/dt(V/μs)				
		P=7.5mm	P=10.0mm	P=15.0mm	P=22.5mm	P=27.5mm
	160	310	190	110	65	55
	250	660	560	310	130	110
	400	900	780	600	300	130
	630	1500	1200	900	400	200
	1000	----	2200	2000	800	----
	1600	----	----	4500	1800	----
	2000	----	----	9500	4500	----

Ordering Information

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
H	M	K	P	2	1	/													(	×	×	×	)

Series code

DC rated voltage

2C=160V
2E=250V
2G=400V
2J=630V
3A=1000V
3C=1600V
3D=2000V

Rated capacitance value

For example:
334=33×10⁴ pF
=0.33μF

Capacitance tolerance

J=±5%
K=±10%
M=±20%

Pitch

3=7.5mm
4=10mm
6=15mm
9=22.5mm
B=27.5mm

Internal code

0(Standard part)
Other figures
(specially designed part)

lead form and packaging code

See table 1

Internal code

To identifiy when the special requirements needed

Table 1: Terminal Code and Packing Code

Digit 16		Digit 17		Digit 18		Digit 19	
Code	explanation	Code	explanation	Code	explanation	Code	explanation
A	ammo-pack	3	P=7.5mm	0	straight	1	Between two consecutive mounting holes P=12.7mm,H=18.0mm(For pitch=7.5mm)
		4	P=10.0mm			5	P=25.4mm, H=18.0mm (For pitch=10/15mm)
		6	P=15.0mm				
C	straight lead	00	standard lead length (18mm~28mm)			0	length tolerance ±0.5mm or standard length
		35	lead length 3.5mm				

Outline Dimensions

160Vd.c. (90Va.c.)													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.068	10.0	9.0	4.0	7.5	0.6	HMKP21/2C683-30****	0.68	18.0	13.5	7.5	15.0	0.8	HMKP21/2C684-60****
0.082	10.0	9.0	4.0	7.5	0.6	HMKP21/2C823-30****	0.82	18.0	14.5	8.5	15.0	0.8	HMKP21/2C824-60****
0.1	10.0	11.0	5.0	7.5	0.6	HMKP21/2C104-30****	1.0	18.0	16.0	10.0	15.0	0.8	HMKP21/2C105-60****
0.12	10.0	11.0	5.0	7.5	0.6	HMKP21/2C124-30****	1.2	18.0	16.0	10.0	15.0	0.8	HMKP21/2C125-60****
0.15	10.0	12.0	6.0	7.5	0.6	HMKP21/2C154-30****	1.5	18.0	19.0	11.0	15.0	0.8	HMKP21/2C155-60****
0.18	10.0	12.0	6.0	7.5	0.6	HMKP21/2C184-30****	1.8	18.0	19.0	11.0	15.0	0.8	HMKP21/2C185-60****
0.082	13.0	9.0	4.0	10.0	0.6	HMKP21/2C823-40****	0.47	26.5	15.0	6.0	22.5	0.8	HMKP21/2C474-90****
0.1	13.0	9.0	4.0	10.0	0.6	HMKP21/2C104-40****	0.56	26.5	15.0	6.0	22.5	0.8	HMKP21/2C564-90****
0.12	13.0	11.0	5.0	10.0	0.6	HMKP21/2C124-40****	0.68	26.5	15.0	6.0	22.5	0.8	HMKP21/2C684-90****
0.15	13.0	11.0	5.0	10.0	0.6	HMKP21/2C154-40****	0.82	26.5	16.0	7.0	22.5	0.8	HMKP21/2C824-90****
0.18	13.0	11.0	5.0	10.0	0.6	HMKP21/2C184-40****	1.0	26.5	16.0	7.0	22.5	0.8	HMKP21/2C105-90****
0.22	13.0	12.0	6.0	10.0	0.6	HMKP21/2C224-40****	1.2	26.5	17.0	8.5	22.5	0.8	HMKP21/2C125-90****
0.27	13.0	12.0	6.0	10.0	0.6	HMKP21/2C274-40****	1.5	26.5	17.0	8.5	22.5	0.8	HMKP21/2C155-90****
0.18	18.0	11.0	5.0	15.0	0.8	HMKP21/2C184-60****	1.8	26.5	19.0	10.0	22.5	0.8	HMKP21/2C185-90****
0.22	18.0	11.0	5.0	15.0	0.8	HMKP21/2C224-60****	2.2	26.5	20.0	11.0	22.5	0.8	HMKP21/2C225-90****
0.27	18.0	11.0	5.0	15.0	0.8	HMKP21/2C274-60****	2.7	26.5	22.0	12.0	22.5	0.8	HMKP21/2C275-90****
0.33	18.0	11.0	5.0	15.0	0.8	HMKP21/2C334-60****	3.3	26.5	22.0	12.0	22.5	0.8	HMKP21/2C335-90****
0.39	18.0	12.0	6.0	15.0	0.8	HMKP21/2C394-60****	1.0	32.0	18.0	9.0	27.5	0.8	HMKP21/2C105-B0****
0.47	18.0	12.0	6.0	15.0	0.8	HMKP21/2C474-60****	1.2	32.0	18.0	9.0	27.5	0.8	HMKP21/2C125-B0****
0.56	18.0	13.5	7.5	15.0	0.8	HMKP21/2C564-60****	1.5	32.0	18.0	9.0	27.5	0.8	HMKP21/2C155-B0****

Notes: (1)"-"=capacitance tolerance code,G=±2%,H=±3%, J=±5%, K=±10%, M=±20%;
(2)"****"=terminal code and packaging code (see table 1).

Outline Dimensions

160Vd.c. (90Va.c.)													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
1.8	32.0	18.0	9.0	27.5	0.8	HMKP21/2C185-B0****	5.6	32.0	24.5	15.0	27.5	0.8	HMKP21/2C565-B0****
2.2	32.0	18.0	9.0	27.5	0.8	HMKP21/2C225-B0****	6.8	32.0	33.0	18.0	27.5	0.8	HMKP21/2C685-B0****
2.7	32.0	20.0	11.0	27.5	0.8	HMKP21/2C275-B0****	8.2	32.0	33.0	18.0	27.5	0.8	HMKP21/2C825-B0****
3.3	32.0	20.0	11.0	27.5	0.8	HMKP21/2C335-B0****	10.0	32.0	33.0	18.0	27.5	0.8	HMKP21/2C106-B0****
3.9	32.0	22.0	13.0	27.5	0.8	HMKP21/2C395-B0****	12.0	32.0	37.0	22.0	27.5	0.8	HMKP21/2C126-B0****
4.7	32.0	28.0	14.0	27.5	0.8	HMKP21/2C475-B0****	15.0	32.0	37.0	22.0	27.5	0.8	HMKP21/2C156-B0****
250Vd.c. (160Va.c.)													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.027	10.0	9.0	4.0	7.5	0.6	HMKP21/2E273-30****	0.22	13.0	12.0	6.0	10.0	0.6	HMKP21/2E224-40****
0.033	10.0	9.0	4.0	7.5	0.6	HMKP21/2E333-30****	0.10	18.0	11.0	5.0	15.0	0.8	HMKP21/2E104-60****
0.039	10.0	9.0	4.0	7.5	0.6	HMKP21/2E393-30****	0.12	18.0	11.0	5.0	15.0	0.8	HMKP21/2E124-60****
0.047	10.0	9.0	4.0	7.5	0.6	HMKP21/2E473-30****	0.15	18.0	11.0	5.0	15.0	0.8	HMKP21/2E154-60****
0.056	10.0	9.0	4.0	7.5	0.6	HMKP21/2E563-30****	0.18	18.0	11.0	5.0	15.0	0.8	HMKP21/2E184-60****
0.068	10.0	9.0	4.0	7.5	0.6	HMKP21/2E683-30****	0.22	18.0	11.0	5.0	15.0	0.8	HMKP21/2E224-60****
0.082	10.0	11.0	5.0	7.5	0.6	HMKP21/2E823-30****	0.27	18.0	12.0	6.0	15.0	0.8	HMKP21/2E274-60****
0.10	10.0	11.0	5.0	7.5	0.6	HMKP21/2E104-30****	0.33	18.0	12.0	6.0	15.0	0.8	HMKP21/2E334-60****
0.12	10.0	11.0	5.0	7.5	0.6	HMKP21/2E124-30****	0.39	18.0	13.5	7.5	15.0	0.8	HMKP21/2E394-60****
0.15	10.0	12.0	6.0	7.5	0.6	HMKP21/2E154-30****	0.47	18.0	13.5	7.5	15.0	0.8	HMKP21/2E474-60****
0.18	10.0	12.0	6.0	7.5	0.6	HMKP21/2E184-30****	0.56	18.0	13.5	7.5	15.0	0.8	HMKP21/2E564-60****
0.033	13.0	9.0	4.0	10.0	0.6	HMKP21/2E333-40****	0.68	18.0	14.5	8.5	15.0	0.8	HMKP21/2E684-60****
0.039	13.0	9.0	4.0	10.0	0.6	HMKP21/2E393-40****	0.82	18.0	16.0	10.0	15.0	0.8	HMKP21/2E824-60****
0.047	13.0	9.0	4.0	10.0	0.6	HMKP21/2E473-40****	1.0	18.0	16.0	10.0	15.0	0.8	HMKP21/2E105-60****
0.056	13.0	9.0	4.0	10.0	0.6	HMKP21/2E563-40****	1.2	18.0	19.0	11.0	15.0	0.8	HMKP21/2E125-60****
0.068	13.0	9.0	4.0	10.0	0.6	HMKP21/2E683-40****	0.39	26.5	15.0	6.0	22.5	0.8	HMKP21/2E394-90****
0.082	13.0	9.0	4.0	10.0	0.6	HMKP21/2E823-40****	0.47	26.5	15.0	6.0	22.5	0.8	HMKP21/2E474-90****
0.10	13.0	11.0	5.0	10.0	0.6	HMKP21/2E104-40****	0.56	26.5	15.0	6.0	22.5	0.8	HMKP21/2E564-90****
0.12	13.0	11.0	5.0	10.0	0.6	HMKP21/2E124-40****	0.68	26.5	15.0	6.0	22.5	0.8	HMKP21/2E684-90****
0.15	13.0	11.0	5.0	10.0	0.6	HMKP21/2E154-40****	0.82	26.5	15.0	6.0	22.5	0.8	HMKP21/2E824-90****
0.18	13.0	12.0	6.0	10.0	0.6	HMKP21/2E184-40****	1.0	26.5	16.0	7.0	22.5	0.8	HMKP21/2E105-90****

Notes: (1)"-"=capacitance tolerance code,G=±2%,H=±3%, J=±5%, K=±10%, M=±20%;
(2)"****"=terminal code and packaging code (see table 1).

Outline Dimensions

250Vd.c. (160Va.c.)													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
1.2	26.0	17.0	8.0	22.5	0.8	HMKP21/2E124-90****	2.7	32.0	20.0	11.0	27.5	0.8	HMKP21/2E275-B0****
1.5	26.0	17.0	8.0	22.5	0.8	HMKP21/2E154-90****	3.3	32.0	20.0	11.0	27.5	0.8	HMKP21/2E335-B0****
1.8	26.0	19.0	10.0	22.5	0.8	HMKP21/2E184-90****	3.9	32.0	22.0	13.0	27.5	0.8	HMKP21/2E395-B0****
2.2	26.0	20.0	11.0	22.5	0.8	HMKP21/2E224-90****	4.7	32.0	28.0	14.0	27.5	0.8	HMKP21/2E475-B0****
2.7	26.0	22.0	12.0	22.5	0.8	HMKP21/2E274-90****	5.6	32.0	24.5	15.0	27.5	0.8	HMKP21/2E565-B0****
0.82	32.0	18.0	9.0	27.5	0.8	HMKP21/2E824-B0****	6.8	32.0	33.0	18.0	27.5	0.8	HMKP21/2E685-B0****
1.0	32.0	18.0	9.0	27.5	0.8	HMKP21/2E105-B0****	8.2	32.0	33.0	18.0	27.5	0.8	HMKP21/2E825-B0****
1.2	32.0	18.0	9.0	27.5	0.8	HMKP21/2E125-B0****	10.0	32.0	33.0	18.0	27.5	0.8	HMKP21/2E106-B0****
1.5	32.0	18.0	9.0	27.5	0.8	HMKP21/2E155-B0****	12.0	32.0	37.0	22.0	27.5	0.8	HMKP21/2E126-B0****
1.8	32.0	18.0	9.0	27.5	0.8	HMKP21/2E185-B0****	15.0	32.0	37.0	22.0	27.5	0.8	HMKP21/2E156-B0****
2.2	32.0	18.0	9.0	27.5	0.8	HMKP21/2E225-B0****							
400Vd.c. (220Va.c.)													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.01	10.0	9.0	4.0	7.5	0.6	HMKP21/2G103-30****	0.039	13.0	9.0	4.0	10.0	0.6	HMKP21/2G393-40****
0.012	10.0	9.0	4.0	7.5	0.6	HMKP21/2G123-30****	0.047	13.0	11.0	5.0	10.0	0.6	HMKP21/2G473-40****
0.015	10.0	9.0	4.0	7.5	0.6	HMKP21/2G153-30****	0.056	13.0	11.0	5.0	10.0	0.6	HMKP21/2G563-40****
0.018	10.0	9.0	4.0	7.5	0.6	HMKP21/2G183-30****	0.068	13.0	11.0	5.0	10.0	0.6	HMKP21/2G683-40****
0.022	10.0	9.0	4.0	7.5	0.6	HMKP21/2G223-30****	0.082	13.0	12.0	6.0	10.0	0.6	HMKP21/2G823-40****
0.027	10.0	9.0	4.0	7.5	0.6	HMKP21/2G273-30****	0.1	13.0	12.0	6.0	10.0	0.6	HMKP21/2G104-40****
0.033	10.0	11.0	5.0	7.5	0.6	HMKP21/2G333-30****	0.068	18.0	11.0	5.0	15.0	0.8	HMKP21/2G683-60****
0.039	10.0	11.0	5.0	7.5	0.6	HMKP21/2G393-30****	0.082	18.0	11.0	5.0	15.0	0.8	HMKP21/2G823-60****
0.047	10.0	11.0	5.0	7.5	0.6	HMKP21/2G473-30****	0.1	18.0	11.0	5.0	15.0	0.8	HMKP21/2G104-60****
0.056	10.0	12.0	6.0	7.5	0.6	HMKP21/2G563-30****	0.12	18.0	11.0	5.0	15.0	0.8	HMKP21/2G124-60****
0.068	10.0	12.0	6.0	7.5	0.6	HMKP21/2G683-30****	0.15	18.0	12.0	6.0	15.0	0.8	HMKP21/2G154-60****
0.015	13.0	9.0	4.0	10.0	0.6	HMKP21/2G153-40****	0.18	18.0	12.0	6.0	15.0	0.8	HMKP21/2G184-60****
0.018	13.0	9.0	4.0	10.0	0.6	HMKP21/2G183-40****	0.22	18.0	13.0	7.0	15.0	0.8	HMKP21/2G224-60****
0.022	13.0	9.0	4.0	10.0	0.6	HMKP21/2G223-40****	0.27	18.0	13.0	7.0	15.0	0.8	HMKP21/2G274-60****
0.027	13.0	9.0	4.0	10.0	0.6	HMKP21/2G273-40****	0.33	18.0	14.5	8.5	15.0	0.8	HMKP21/2G334-60****
0.033	13.0	9.0	4.0	10.0	0.6	HMKP21/2G333-40****	0.39	18.0	16.0	10.0	15.0	0.8	HMKP21/2G394-60****

Notes: (1)"-"=capacitance tolerance code,G=±2%,H=±3%, J=±5%, K=±10%, M=±20%;
(2)"****"=terminal code and packaging code (see table 1).

Outline Dimensions

400Vd.c. (220Va.c.)													
CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.47	18.0	16.0	10.0	15.0	0.8	HMKP21/2G474-60****	1.5	26.5	22.0	12.0	22.5	0.8	HMKP21/2G155-90****
0.56	18.0	19.0	11.0	15.0	0.8	HMKP21/2G564-60****	0.56	32.0	18.0	9.0	27.5	0.8	HMKP21/2G564-B0****
0.68	18.0	19.0	11.0	15.0	0.8	HMKP21/2G684-60****	0.68	32.0	18.0	9.0	27.5	0.8	HMKP21/2G684-B0****
0.18	26.5	15.0	6.0	22.5	0.8	HMKP21/2G184-90****	0.82	32.0	18.0	9.0	27.5	0.8	HMKP21/2G824-B0****
0.22	26.5	15.0	6.0	22.5	0.8	HMKP21/2G224-90****	1.0	32.0	18.0	9.0	27.5	0.8	HMKP21/2G105-B0****
0.27	26.5	15.0	6.0	22.5	0.8	HMKP21/2G274-90****	1.2	32.0	20.0	11.0	27.5	0.8	HMKP21/2G125-B0****
0.33	26.5	15.0	6.0	22.5	0.8	HMKP21/2G334-90****	1.5	32.0	20.0	11.0	27.5	0.8	HMKP21/2G155-B0****
0.39	26.5	16.0	7.0	22.5	0.8	HMKP21/2G394-90****	1.8	32.0	22.0	13.0	27.5	0.8	HMKP21/2G185-B0****
0.47	26.5	16.0	7.0	22.5	0.8	HMKP21/2G474-90****	2.2	32.0	24.5	15.0	27.5	0.8	HMKP21/2G225-B0****
0.56	26.5	17.0	8.0	22.5	0.8	HMKP21/2G564-90****	2.7	32.0	28.0	14.0	27.5	0.8	HMKP21/2G275-B0****
0.68	26.5	17.0	8.0	22.5	0.8	HMKP21/2G684-90****	3.3	32.0	33.0	18.0	27.5	0.8	HMKP21/2G335-B0****
0.82	26.5	19.0	10.0	22.5	0.8	HMKP21/2G824-90****	3.9	32.0	33.0	18.0	27.5	0.8	HMKP21/2G395-B0****
1.0	26.5	20.0	11.0	22.5	0.8	HMKP21/2G105-90****	4.7	32.0	37.0	22.0	27.5	0.8	HMKP21/2G475-B0****
1.2	26.5	22.0	12.0	22.5	0.8	HMKP21/2G125-90****	5.6	32.0	37.0	22.0	27.5	0.8	HMKP21/2G565-B0****
630Vd.c. (250Va.c.)													
CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	CR (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	
0.001	10.0	9.0	4.0	7.5	0.6	HMKP21/2J102-30****	0.012	10.0	9.0	4.0	7.5	0.6	HMKP21/2J123-30****
0.0012	10.0	9.0	4.0	7.5	0.6	HMKP21/2J122-30****	0.015	10.0	11.0	5.0	7.5	0.6	HMKP21/2J153-30****
0.0015	10.0	9.0	4.0	7.5	0.6	HMKP21/2J152-30****	0.018	10.0	11.0	5.0	7.5	0.6	HMKP21/2J183-30****
0.0018	10.0	9.0	4.0	7.5	0.6	HMKP21/2J182-30****	0.022	10.0	11.0	5.0	7.5	0.6	HMKP21/2J223-30****
0.0022	10.0	9.0	4.0	7.5	0.6	HMKP21/2J222-30****	0.027	10.0	12.0	6.0	7.5	0.6	HMKP21/2J273-30****
0.0027	10.0	9.0	4.0	7.5	0.6	HMKP21/2J272-30****	0.033	10.0	12.0	6.0	7.5	0.6	HMKP21/2J333-30****
0.0033	10.0	9.0	4.0	7.5	0.6	HMKP21/2J332-30****	0.001	13.0	9.0	4.0	10.0	0.6	HMKP21/2J102-40****
0.0039	10.0	9.0	4.0	7.5	0.6	HMKP21/2J392-30****	0.0012	13.0	9.0	4.0	10.0	0.6	HMKP21/2J122-40****
0.0047	10.0	9.0	4.0	7.5	0.6	HMKP21/2J472-30****	0.0015	13.0	9.0	4,0	10.0	0.6	HMKP21/2J152-40****
0.0056	10.0	9.0	4.0	7.5	0.6	HMKP21/2J562-30****	0.0018	13.0	9.0	4.0	10.0	0.6	HMKP21/2J182-40****
0.0068	10.0	9.0	4.0	7.5	0.6	HMKP21/2J682-30****	0.0022	13.0	9.0	4.0	10.0	0.6	HMKP21/2J222-40****
0.0082	10.0	9.0	4.0	7.5	0.6	HMKP21/2J822-30****	0.0027	13.0	9.0	4.0	10.0	0.6	HMKP21/2J272-40****
0.01	10.0	9.0	4.0	7.5	0.6	HMKP21/2J103-30****	0.0033	13.0	9.0	4.0	10.0	0.6	HMKP21/2J332-40****

Notes: (1)"-"=capacitance tolerance code,G=±2%,H=±3%, J=±5%, K=±10%, M=±20%;
(2)"****"=terminal code and packaging code (see table 1).

Outline Dimensions

630Vd.c. (250Va.c.)													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.0039	13.0	9.0	4.0	10.0	0.6	HMKP21/2J392-40****	0.33	18.0	19.0	11.0	15.0	0.8	HMKP21/2J334-60****
0.0047	13.0	9.0	4,0	10.0	0.6	HMKP21/2J472-40****	0.082	26.5	15.0	6.0	22.5	0.8	HMKP21/2J823-90****
0.0056	13.0	9.0	4.0	10.0	0.6	HMKP21/2J562-40****	0.1	26.5	15.0	6.0	22.5	0.8	HMKP21/2J104-90****
0.0068	13.0	9.0	4,0	10.0	0.6	HMKP21/2J682-40****	0.12	26.5	15.0	6.0	22.5	0.8	HMKP21/2J124-90****
0.0082	13.0	9.0	4.0	10.0	0.6	HMKP21/2J822-40****	0.15	26.5	15.0	6.0	22.5	0.8	HMKP21/2J154-90****
0.010	13.0	9.0	4.0	10.0	0.6	HMKP21/2J103-40****	0.18	26.5	15.0	6.0	22.5	0.8	HMKP21/2J184-90****
0.012	13.0	9.0	4.0	10.0	0.6	HMKP21/2J123-40****	0.22	26.5	16.0	7.0	22.5	0.8	HMKP21/2J224-90****
0.015	13.0	9.0	4.0	10.0	0.6	HMKP21/2J153-40****	0.27	26.5	17.0	8.5	22.5	0.8	HMKP21/2J274-90****
0.018	13.0	9.0	4.0	10.0	0.6	HMKP21/2J183-40****	0.33	26.5	17.0	8.5	22.5	0.8	HMKP21/2J334-90****
0.022	13.0	11.0	5.0	10.0	0.6	HMKP21/2J223-40****	0.39	26.5	19.0	10.0	22.5	0.8	HMKP21/2J394-90****
0.027	13.0	11.0	5.0	10.0	0.6	HMKP21/2J273-40****	0.47	26.5	19.0	10.0	22.5	0.8	HMKP21/2J474-90****
0.033	13.0	11.0	5.0	10.0	0.6	HMKP21/2J333-40****	0.56	26.5	20.0	11.0	22.5	0.8	HMKP21/2J564-90****
0.039	13.0	12.0	6.0	10.0	0.6	HMKP21/2J393-40****	0.68	26.5	22.0	12.0	22.5	0.8	HMKP21/2J684-90****
0.047	13.0	12.0	6.0	10.0	0.6	HMKP21/2J473-40****	0.33	32.0	18.0	9.0	27.5	0.8	HMKP21/2J334-B0****
0.027	18.0	11.0	5.0	15.0	0.8	HMKP21/2J273-60****	0.39	32.0	18.0	9.0	27.5	0.8	HMKP21/2J394-B0****
0.033	18.0	11.0	5.0	15.0	0.8	HMKP21/2J333-60****	0.47	32.0	18.0	9.0	27.5	0.8	HMKP21/2J474-B0****
0.039	18.0	11.0	5.0	15.0	0.8	HMKP21/2J393-60****	0.56	32.0	20.0	11.0	27.5	0.8	HMKP21/2J564-B0****
0.047	18.0	11.0	5.0	15.0	0.8	HMKP21/2J473-60****	0.68	32.0	20.0	11.0	27.5	0.8	HMKP21/2J684-B0****
0.056	18.0	11.0	5.0	15.0	0.8	HMKP21/2J563-60****	0.82	32.0	20.0	11.0	27.5	0.8	HMKP21/2J824-B0****
0.068	18.0	12.0	6.0	15.0	0.8	HMKP21/2J683-60****	1.0	32.0	22.0	13.0	27.5	0.8	HMKP21/2J105-B0****
0.082	18.0	12.0	6.0	15.0	0.8	HMKP21/2J823-60****	1.2	32.0	24.5	15.0	27.5	0.8	HMKP21/2J125-B0****
0.1	18.0	13.5	7.5	15.0	0.8	HMKP21/2J104-60****	1.5	32.0	28.0	14.0	27.5	0.8	HMKP21/2J155-B0****
0.12	18.0	13.5	7.5	15.0	0.8	HMKP21/2J124-60****	1.8	32.0	33.0	18.0	27.5	0.8	HMKP21/2J185-B0****
0.15	18.0	13.5	7.5	15.0	0.8	HMKP21/2J154-60****	2.2	32.0	33.0	18.0	27.5	0.8	HMKP21/2J225-B0****
0.18	18.0	14.5	8.5	15.0	0.8	HMKP21/2J184-60****	2.7	32.0	37.0	22.0	27.5	0.8	HMKP21/2J275-B0****
0.22	18.0	16.0	10.0	15.0	0.8	HMKP21/2J224-60****	3.3	32.0	37.0	22.0	27.5	0.8	HMKP21/2J335-B0****
0.27	18.0	19.0	11.0	15.0	0.8	HMKP21/2J274-60****							

Notes: (1)"-"=capacitance tolerance code,G=±2%,H=±3%, J=±5%, K=±10%, M=±20%;
(2)"****"=terminal code and packaging code (see table 1).

Outline Dimensions

1000Vd.c. (400Va.c.)													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.001	13.0	9.0	4.0	10.0	0.6	HMKP21/3A102-40****	0.012	18.0	11.0	5.0	15.0	0.8	HMKP21/3A123-60****
0.0012	13.0	9.0	4.0	10.0	0.6	HMKP21/3A122-40****	0.015	18.0	12.0	6.0	15.0	0.8	HMKP21/3A153-60****
0.0015	13.0	9.0	4.0	10.0	0.6	HMKP21/3A152-40****	0.018	18.0	12.0	6.0	15.0	0.8	HMKP21/3A183-60****
0.0018	13.0	9.0	4.0	10.0	0.6	HMKP21/3A182-40****	0.022	18.0	13.5	7.5	15.0	0.8	HMKP21/3A223-60****
0.0022	13.0	9.0	4.0	10.0	0.6	HMKP21/3A222-40****	0.027	18.0	13.5	7.5	15.0	0.8	HMKP21/3A273-60****
0.0027	13.0	9.0	4.0	10.0	0.6	HMKP21/3A272-40****	0.033	18.0	14.5	8.5	15.0	0.8	HMKP21/3A333-60****
0.0033	13.0	9.0	4.0	10.0	0.6	HMKP21/3A332-40****	0.039	18.0	16.0	10.0	15.0	0.8	HMKP21/3A393-60****
0.0039	13.0	9.0	4.0	10.0	0.6	HMKP21/3A392-40****	0.047	18.0	16.0	10.0	15.0	0.8	HMKP21/3A473-60****
0.0047	13.0	11.0	5.0	10.0	0.6	HMKP21/3A472-40****	0.056	18.0	19.0	11.0	15.0	0.8	HMKP21/3A563-60****
0.0056	13.0	11.0	5.0	10.0	0.6	HMKP21/3A562-40****	0.068	18.0	19.0	11.0	15.0	0.8	HMKP21/3A683-60****
0.0068	13.0	11.0	5.0	10.0	0.6	HMKP21/3A682-40****	0.018	26.5	15.0	6.0	22.5	0.8	HMKP21/3A183-90****
0.0082	13.0	12.0	6.0	10.0	0.6	HMKP21/3A822-40****	0.022	26.5	15.0	6.0	22.5	0.8	HMKP21/3A223-90****
0.01	13.0	12.0	6.0	10.0	0.6	HMKP21/3A103-40****	0.027	26.5	15.0	6.0	22.5	0.8	HMKP21/3A273-90****
0.0022	18.0	11.0	5.0	15.0	0.8	HMKP21/3A222-60****	0.033	26.5	15.0	6.0	22.5	0.8	HMKP21/3A333-90****
0.0027	18.0	11.0	5.0	15.0	0.8	HMKP21/3A272-60****	0.039	26.5	15.0	6.0	22.5	0.8	HMKP21/3A393-90****
0.0033	18.0	11.0	5.0	15.0	0.8	HMKP21/3A332-60****	0.047	26.5	16.0	7.0	22.5	0.8	HMKP21/3A473-90****
0.0039	18.0	11.0	5.0	15.0	0.8	HMKP21/3A392-60****	0.056	26.5	16.0	7.0	22.5	0.8	HMKP21/3A563-90****
0.0047	18.0	11.0	5.0	15.0	0.8	HMKP21/3A472-60****	0.068	26.5	17.0	8.5	22.5	0.8	HMKP21/3A683-90****
0.0056	18.0	11.0	5.0	15.0	0.8	HMKP21/3A562-60****	0.082	26.5	17.0	8.5	22.5	0.8	HMKP21/3A823-90****
0.0068	18.0	11.0	5.0	15.0	0.8	HMKP21/3A682-60****	0.1	26.5	19.0	10.0	22.5	0.8	HMKP21/3A104-90****
0.0082	18.0	11.0	5.0	15.0	0.8	HMKP21/3A822-60****	0.12	26.5	22.0	12.0	22.5	0.8	HMKP21/3A124-90****
0.01	18.0	11.0	5.0	15.0	0.8	HMKP21/3A103-60****	0.15	26.5	22.0	12.0	22.5	0.8	HMKP21/3A154-90****
1600Vd.c. (600Va.c.)													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.00056	18.0	11.0	5.0	15.0	0.8	HMKP21/3C561-60****	0.0012	18.0	11.0	5.0	15.0	0.8	HMKP21/3C122-60****
0.00062	18.0	11.0	5.0	15.0	0.8	HMKP21/3C621-60****	0.0015	18.0	11.0	5.0	15.0	0.8	HMKP21/3C152-60****
0.00068	18.0	11.0	5.0	15.0	0.8	HMKP21/3C681-60****	0.0018	18.0	11.0	5.0	15.0	0.8	HMKP21/3C182-60****
0.00082	18.0	11.0	5.0	15.0	0.8	HMKP21/3C821-60****	0.0022	18.0	11.0	5.0	15.0	0.8	HMKP21/3C222-60****
0.001	18.0	11.0	5.0	15.0	0.8	HMKP21/3C102-60****	0.0027	18.0	11.0	5.0	15.0	0.8	HMKP21/3C272-60****

Notes: (1)"-"=capacitance tolerance code,G=±2%,H=±3%, J=±5%, K=±10%, M=±20%;
(2)"****"=terminal code and packaging code (see table 1).

Outline Dimensions

1600Vd.c. (600Va.c.)													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.0033	18.0	11.0	5.0	15.0	0.8	HMKP21/3C332-60****	0.033	18.0	16.0	10.0	15.0	0.8	HMKP21/3C333-60****
0.0039	18.0	11.0	5.0	15.0	0.8	HMKP21/3C392-60****	0.039	18.0	19.0	11.0	15.0	0.8	HMKP21/3C393-60****
0.0047	18.0	11.0	5.0	15.0	0.8	HMKP21/3C472-60****	0.047	18.0	19.0	11.0	15.0	0.8	HMKP21/3C473-60****
0.0056	18.0	11.0	5.0	15.0	0.8	HMKP21/3C562-60****	0.015	26.5	15.0	6.0	22.5	0.8	HMKP21/3C153-90****
0.0068	18.0	11.0	5.0	15.0	0.8	HMKP21/3C682-60****	0.018	26.5	15.0	6.0	22.5	0.8	HMKP21/3C183-90****
0.0082	18.0	12.0	6.0	15.0	0.8	HMKP21/3C822-60****	0.022	26.5	15.0	6.0	22.5	0.8	HMKP21/3C223-90****
0.01	18.0	12.0	6.0	15.0	0.8	HMKP21/3C103-60****	0.027	26.5	16.0	7.0	22.5	0.8	HMKP21/3C273-90****
0.012	18.0	12.0	6.0	15.0	0.8	HMKP21/3C123-60****	0.033	26.5	16.0	7.0	22.5	0.8	HMKP21/3C333-90****
0.015	18.0	13.5	7.5	15.0	0.8	HMKP21/3C153-60****	0.039	26.5	17.0	8.5	22.5	0.8	HMKP21/3C393-90****
0.018	18.0	13.5	7.5	15.0	0.8	HMKP21/3C183-60****	0.047	26.5	19.0	10.0	22.5	0.8	HMKP21/3C473-90****
0.022	18.0	14.5	8.5	15.0	0.8	HMKP21/3C223-60****	0.056	26.5	19.0	10.0	22.5	0.8	HMKP21/3C563-90****
0.027	18.0	16.0	10.0	15.0	0.8	HMKP21/3C273-60****	0.068	26.5	22.0	12.0	22.5	0.8	HMKP21/3C683-90****
2000Vd.c. (700Va.c.)													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.00056	18.0	11.0	5.0	15.0	0.8	HMKP21/3D561-60****	0.0082	18.0	13.5	7.5	15.0	0.8	HMKP21/3D822-60****
0.00062	18.0	11.0	5.0	15.0	0.8	HMKP21/3D621-60****	0.01	18.0	13.5	7.5	15.0	0.8	HMKP21/3D103-60****
0.00068	18.0	11.0	5.0	15.0	0.8	HMKP21/3D681-60****	0.012	18.0	14.5	8.5	15.0	0.8	HMKP21/3D123-60****
0.00082	18.0	11.0	5.0	15.0	0.8	HMKP21/3D821-60****	0.015	18.0	14.5	8.5	15.0	0.8	HMKP21/3D153-60****
0.001	18.0	11.0	5.0	15.0	0.8	HMKP21/3D102-60****	0.018	18.0	16.0	10.0	15.0	0.8	HMKP21/3D183-60****
0.0012	18.0	11.0	5.0	15.0	0.8	HMKP21/3D122-60****	0.022	18.0	19.0	11.0	15.0	0.8	HMKP21/3D223-60****
0.0015	18.0	11.0	5.0	15.0	0.8	HMKP21/3D152-60****	0.0068	26.0	15.0	6.0	22.5	0.8	HMKP21/3D682-90****
0.0018	18.0	11.0	5.0	15.0	0.8	HMKP21/3D182-60****	0.0082	26.5	15.0	6.0	22.5	0.8	HMKP21/3D822-90****
0.0022	18.0	11.0	5.0	15.0	0.8	HMKP21/3D222-60****	0.01	26.5	15	6.0	22.5	0.8	HMKP21/3D103-90****
0.0027	18.0	11.0	5.0	15.0	0.8	HMKP21/3D272-60****	0.012	26.5	15.0	6.0	22.5	0.8	HMKP21/3D123-90****
0.0033	18.0	11.0	5.0	15	0.8	HMKP21/3D332-60****	0.015	26.5	15.0	6.0	22.5	0.8	HMKP21/3D153-90****
0.0039	18.0	11.0	5.0	15.0	0.8	HMKP21/3D392-60****	0.018	26.5	16.0	7.0	22.5	0.8	HMKP21/3D183-90****
0.0047	18.0	11.0	5.0	15.0	0.8	HMKP21/3D472-60****	0.022	26.5	17.0	8.5	22.5	0.8	HMKP21/3D223-90****
0.0056	18.0	12.0	6.0	15.0	0.8	HMKP21/3D562-60****	0.027	26.5	17.0	8.5	22.5	0.8	HMKP21/3D273-90****
0.0068	18.0	12.0	6.0	15.0	0.8	HMKP21/3D682-60****	0.033	26.5	19.0	10.0	22.5	0.8	HMKP21/3D333-90****

Notes: (1)"-"=capacitance tolerance code,G=±2%,H=±3%, J=±5%, K=±10%, M=±20%;
(2)"****"=terminal code and packaging code (see table 1).

Outline Dimensions

2000Vd.c. (700Va.c.)													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.039	26.5	19.0	10.0	22.5	0.8	HMKP21/3D393-90****	0.056	26.5	22.0	12.0	22.5	0.8	HMKP21/3D563-90****
0.047	26.5	22.0	12.0	22.5	0.8	HMKP21/3D473-90****							

Notes: (1)"-"=capacitance tolerance code,G=±2%,H=±3%, J=±5%, K=±10%, M=±20%;
(2)"****"=terminal code and packaging code (see table 1).

HMKP25

Metallized polypropylene film capacitor

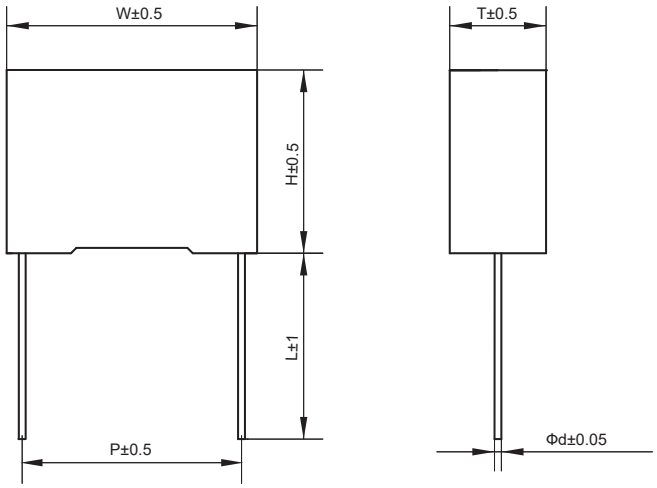
Features

- Metallized polypropylene film
- Low loss at high frequency
- Plastic case (UL94V-0),epoxy resin sealing

Typical Applications

- As intermediate circuit cpacitors for SMPS, electron ic ballast.inverter (i.e. DC-link, DC-filter and PFC)

Outline Drawing



Specifications

Reference standard	GB/T 10190 (IEC 60384-16)								
Climatic category	40/105/56								
Operating temperature range	40℃~+105℃(+85℃~+105℃: decreasing factor 1.25% per ℃ for U_R)								
Rated temperature	85℃								
Rated voltage	450Vd.c.,520Vd.c.,630Vd.c.								
Capacitance range	0.022μF~22μF								
Capacitance tolerance	±5%(J),±10%(K),±20%(M) (20℃±5℃, 1kHz)								
Voltage proof	1.6U_R (5s)								
Dissipation factor	≤0.0015 (1kHz, 20℃)								
Insulation resistance	≥100000MΩ,C_N≤0.33μF ≥30000s, C_N >0.33μF					(20℃,100Vd.c,1min)			
Max. Pulse Rise Time: If the working voltage(U) is lower than the rated voltage (U_R), the capacitor can be worked at high dV/dt condition. In thiscase, the maximum allowed dV/dt is obtained by multiplying the right value with U_R/U	U_R (V)	Max dv/dt(V/μs) ——Miniature version				Max dv/dt(V/μs)			
		P=10.0mm	P=15.0mm	P=22.5mm	P=27.5mm	P=10.0mm	P=15.0mm	P=22.5mm	P=27.5mm
	450	100	65	35	20	300	200	100	80
	520	120	80	60	40	350	220	150	100
	630	200	160	70	50	400	300	180	120

Ordering Information

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
H	M	K	P	2	5	/													(	×	×	×	)

Series code

DC rated voltage

2S=450V
2T=520V
2J=630V

Rated capacitance value

For example:
124=12×10⁴ pF
=0.12μF

Capacitance tolerance

J=±5%
K=±10%
M=±20%

Pitch

4=10.0mm
6=15.0mm
9=22.5mm
B=27.5mm

Internal code

0(Standard part)
Other figures
(specially designed part)

lead form and packaging code

See table 1

Internal code

To identifiy when the special requirements needed

Table 1: Terminal Code and Packing Code

	Digit 16		Digit 17	Digit 18		Digit 19	
Code	explanation	Code	explanation	Code	explanation	Code	explanation
A	ammo-pack	4	P=10.0mm	0	straight	5	P=25.4mm, H=18.0mm (For pitch=10/15mm)
		6	P=15.0mm				
C	straight lead	00	standard lead length (18mm~28mm)			0	length tolerance ±0.5mm or standard length
		35	lead length 3.5mm				

Outline Dimensions

Miniature version (segmented metallized-film design)

450Vd.c.													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.12	13.0	9.0	4.0	10.0	0.6	HMKP25/2S124-41****	2.2	18.0	19.0	11.0	15.0	0.8	HMKP25/2S225-61****
0.15	13.0	9.0	4.0	10.0	0.6	HMKP25/2S154-41****	1.0	26.5	15.0	6.0	22.5	0.8	HMKP25/2S105-91****
0.18	13.0	11.0	5.0	10.0	0.6	HMKP25/2S184-41****	1.2	26.5	15.0	6.0	22.5	0.8	HMKP25/2S125-91****
0.22	13.0	11.0	5.0	10.0	0.6	HMKP25/2S224-41****	1.5	26.5	16.0	7.0	22.5	0.8	HMKP25/2S155-91****
0.27	13.0	12.0	6.0	10.0	0.6	HMKP25/2S274-41****	1.8	26.5	16.0	7.0	22.5	0.8	HMKP25/2S185-91****
0.33	13.0	12.0	6.0	10.0	0.6	HMKP25/2S334-41****	2.2	26.5	17.0	8.5	22.5	0.8	HMKP25/2S225-91****
0.39	13.0	13.0	7.0	10.0	0.6	HMKP25/2S394-41****	2.7	26.5	17.0	8.5	22.5	0.8	HMKP25/2S275-91****
0.47	13.0	13.0	7.0	10.0	0.6	HMKP25/2S474-41****	3.3	26.5	19.0	10.0	22.5	0.8	HMKP25/2S335-91****
0.56	13.0	14.0	8.0	10.0	0.6	HMKP25/2S564-41****	3.9	26.5	19.0	10.0	22.5	0.8	HMKP25/2S395-91****
0.68	13.0	14.0	8.0	10.0	0.6	HMKP25/2S684-41****	4.7	26.5	20.0	11.0	22.5	0.8	HMKP25/2S475-91****
0.22	18.0	11.0	5.0	15.0	0.6	HMKP25/2S224-61****	5.6	26.5	22.0	12.0	22.5	0.8	HMKP25/2S565-91****
0.33	18.0	11.0	5.0	15.0	0.6	HMKP25/2S334-61****	6.8	26.5	24.5	15.5	22.5	0.8	HMKP25/2S685-91****
0.39	18.0	11.0	5.0	15.0	0.6	HMKP25/2S394-61****	8.2	26.5	24.5	15.5	22.5	0.8	HMKP25/2S825-91****
0.47	18.0	11.0	5.0	15.0	0.6	HMKP25/2S474-61****	3.3	32.0	18.0	9.0	27.5	0.8	HMKP25/2S335-B1****
0.56	18.0	12.0	6.0	15.0	0.6	HMKP25/2S564-61****	3.9	32.0	18.0	9.0	27.5	0.8	HMKP25/2S395-B1****
0.68	18.0	13.0	7.0	15.0	0.6	HMKP25/2S684-61****	4.7	32.0	20.0	11.0	27.5	0.8	HMKP25/2S475-B1****
0.82	18.0	13.0	7.0	15.0	0.6	HMKP25/2S824-61****	5.6	32.0	20.0	11.0	27.5	0.8	HMKP25/2S565-B1****
1.0	18.0	13.5	7.5	15.0	0.6	HMKP25/2S105-61****	6.8	32.0	22.0	13.0	27.5	0.8	HMKP25/2S685-B1****
1.2	18.0	14.5	8.5	15.0	0.6	HMKP25/2S125-61****	8.2	32.0	24.5	15.0	27.5	0.8	HMKP25/2S825-B1****
1.5	18.0	16.0	10.0	15.0	0.8	HMKP25/2S155-61****	10.0	32.0	24.5	15.0	27.5	0.8	HMKP25/2S106-B1****
1.8	18.0	16.0	10.0	15.0	0.8	HMKP25/2S185-61****	12.0	32.0	28.0	17.0	27.5	0.8	HMKP25/2S126-B1****

Notes: (1)"-"=capacitance tolerance code, J=±5%, K=±10%, M=±20%;
(2)"****"=terminal code and packaging code (see table 1).

Outline Dimensions

Miniature version (segmented metallized-film design)

450Vd.c.													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
15.0	32.0	33.0	18.0	27.5	0.8	HMKP25/2S156-B1****	22.0	32.0	37.0	22.0	27.5	0.8	HMKP25/2S226-B1****
18.0	32.0	37.0	22.0	27.5	0.8	HMKP25/2S186-B1****							
520Vd.c.													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.082	13.0	9.0	4.0	10.0	0.6	HMKP25/2T823-41****	1.0	26.5	16.0	7.0	22.5	0.8	HMKP25/2T105-91****
0.10	13.0	9.0	4.0	10.0	0.6	HMKP25/2T104-41****	1.2	26.5	16.0	7.0	22.5	0.8	HMKP25/2T125-91****
0.12	13.0	11.0	5.0	10.0	0.6	HMKP25/2T124-41****	1.5	26.5	17.0	8.5	22.5	0.8	HMKP25/2T155-91****
0.15	13.0	11.0	5.0	10.0	0.6	HMKP25/2T154-41****	1.8	26.5	17.0	8.5	22.5	0.8	HMKP25/2T185-91****
0.18	13.0	12.0	6.0	10.0	0.6	HMKP25/2T184-41****	2.2	26.5	19.0	10.0	22.5	0.8	HMKP25/2T225-91****
0.22	13.0	12.0	6.0	10.0	0.6	HMKP25/2T224-41****	2.7	26.5	20.0	11.0	22.5	0.8	HMKP25/2T275-91****
0.27	13.0	13.0	7.0	10.0	0.6	HMKP25/2T274-41****	3.3	26.5	22.0	12.0	22.5	0.8	HMKP25/2T335-91****
0.33	13.0	13.0	7.0	10.0	0.6	HMKP25/2T334-41****	3.9	26.5	22.0	12.0	22.5	0.8	HMKP25/2T395-91****
0.39	13.0	14.0	8.0	10.0	0.6	HMKP25/2T394-41****	4.7	26.5	24.5	15.5	22.5	0.8	HMKP25/2T475-91****
0.47	13.0	14.0	8.0	10.0	0.6	HMKP25/2T474-41****	5.6	26.5	24.5	15.5	22.5	0.8	HMKP25/2T565-91****
0.27	18.0	11.0	5.0	15.0	0.6	HMKP25/2T274-61****	2.2	32.0	18.0	9.0	27.5	0.8	HMKP25/2T225-B1****
0.33	18.0	11.0	5.0	15.0	0.6	HMKP25/2T334-61****	2.7	32.0	18.0	9.0	27.5	0.8	HMKP25/2T275-B1****
0.39	18.0	12.0	6.0	15.0	0.6	HMKP25/2T394-61****	3.3	32.0	20.0	11.0	27.5	0.8	HMKP25/2T335-B1****
0.47	18.0	12.0	6.0	15.0	0.6	HMKP25/2T474-61****	3.9	32.0	20.0	11.0	27.5	0.8	HMKP25/2T395-B1****
0.56	18.0	13.0	7.0	15.0	0.6	HMKP25/2T564-61****	4.7	32.0	22.0	13.0	27.5	0.8	HMKP25/2T475-B1****
0.68	18.0	13.5	7.5	15.0	0.6	HMKP25/2T684-61****	5.6	32.0	24.5	15.0	27.5	0.8	HMKP25/2T565-B1****
0.82	18.0	14.5	8.5	15.0	0.6	HMKP25/2T824-61****	6.8	32.0	24.5	15.0	27.5	0.8	HMKP25/2T685-B1****
1.0	18.0	14.5	8.5	15.0	0.6	HMKP25/2T105-61****	8.2	32.0	28.0	17.0	27.5	0.8	HMKP25/2T825-B1****
1.2	18.0	16.0	10.0	15.0	0.8	HMKP25/2T125-61****	10.0	32.0	33.0	18.0	27.5	0.8	HMKP25/2T106-B1****
1.5	18.0	19.0	11.0	15.0	0.8	HMKP25/2T155-61****	12.0	32.0	33.0	18.0	27.5	0.8	HMKP25/2T126-B1****
0.68	26.5	15.0	6.0	22.5	0.8	HMKP25/2T684-91****	15.0	32.0	37.0	22.0	27.5	0.8	HMKP25/2T156-B1****
0.82	26.5	15.0	6.0	22.5	0.8	HMKP25/2T824-91****	18.0	32.0	37.0	22.0	27.5	0.8	HMKP25/2T186-B1****

Notes: (1)"-"=capacitance tolerance code,G=±2%,H=±3%, J=±5%, K=±10%, M=±20%;
(2)"****"=terminal code and packaging code (see table 1).

Outline Dimensions

Miniature version (segmented metallized-film design)

630Vd.c.													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.056	13.0	9.0	4.0	10.0	0.6	HMKP25/2J563-41****	0.56	26.5	15.0	6.0	22.5	0.8	HMKP25/2J564-91****
0.068	13.0	9.0	4.0	10.0	0.6	HMKP25/2J683-41****	0.68	26.5	16.0	7.0	22.5	0.8	HMKP25/2J684-91****
0.082	13.0	11.0	5.0	10.0	0.6	HMKP25/2J823-41****	0.82	26.5	16.0	7.0	22.5	0.8	HMKP25/2J824-91****
0.10	13.0	11.0	5.0	10.0	0.6	HMKP25/2J104-41****	1.0	26.5	17.0	8.5	22.5	0.8	HMKP25/2J105-91****
0.12	13.0	12.0	6.0	10.0	0.6	HMKP25/2J124-41****	1.2	26.5	17.0	8.5	22.5	0.8	HMKP25/2J125-91****
0.15	13.0	12.0	6.0	10.0	0.6	HMKP25/2J154-41****	1.5	26.5	19.0	10.0	22.5	0.8	HMKP25/2J155-91****
0.18	13.0	13.0	7.0	10.0	0.6	HMKP25/2J184-41****	1.8	26.5	19.0	10.0	22.5	0.8	HMKP25/2J185-91****
0.22	13.0	13.0	7.0	10.0	0.6	HMKP25/2J224-41****	2.2	26.5	20.0	11.0	22.5	0.8	HMKP25/2J225-91****
0.27	13.0	14.0	8.0	10.0	0.6	HMKP25/2J274-41****	2.7	26.5	22.0	12.0	22.5	0.8	HMKP25/2J275-91****
0.33	13.0	14.0	8.0	10.0	0.6	HMKP25/2J334-41****	3.3	26.5	24.5	15.5	22.5	0.8	HMKP25/2J335-91****
0.18	18.0	11.0	5.0	15.0	0.6	HMKP25/2J184-61****	3.9	26.5	24.5	15.5	22.5	0.8	HMKP25/2J395-91****
0.22	18.0	11.0	5.0	15.0	0.6	HMKP25/2J224-61****	1.8	32.0	18.0	9.0	27.5	0.8	HMKP25/2J185-B1****
0.27	18.0	12.0	6.0	15.0	0.6	HMKP25/2J274-61****	2.2	32.0	20.0	11.0	27.5	0.8	HMKP25/2J225-B1****
0.33	18.0	12.0	6.0	15.0	0.6	HMKP25/2J334-61****	2.7	32.0	20.0	11.0	27.5	0.8	HMKP25/2J275-B1****
0.39	18.0	13.0	7.0	15.0	0.6	HMKP25/2J394-61****	3.3	32.0	22.0	13.0	27.5	0.8	HMKP25/2J335-B1****
0.47	18.0	13.5	7.5	15.0	0.6	HMKP25/2J474-61****	3.9	32.0	22.0	13.0	27.5	0.8	HMKP25/2J395-B1****
0.56	18.0	14.5	8.5	15.0	0.6	HMKP25/2J564-61****	4.7	32.0	24.5	15.0	27.5	0.8	HMKP25/2J475-B1****
0.68	18.0	14.5	8.5	15.0	0.6	HMKP25/2J684-61****	5.6	32.0	28.0	17.0	27.5	0.8	HMKP25/2J565-B1****
0.82	18.0	16.0	10.0	15.0	0.8	HMKP25/2J824-61****	6.8	32.0	29.0	19.0	27.5	0.8	HMKP25/2J685-B1****
1.0	18.0	16.0	10.0	15.0	0.8	HMKP25/2J105-61****	8.2	32.0	29.0	19.0	27.5	0.8	HMKP25/2J825-B1****
1.2	18.0	19.0	11.0	15.0	0.8	HMKP25/2J125-61****	10.0	32.0	37.0	22.0	27.5	0.8	HMKP25/2J106-B1****
0.47	26.5	15.0	6.0	22.5	0.8	HMKP25/2J474-91****	12.0	32.0	37.0	22.0	27.5	0.8	HMKP25/2J126-B1****

Standard type

450Vd.c.													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.068	13.0	9.0	4.0	10.0	0.6	HMKP25/2S683-40****	0.15	13.0	12.0	6.0	10.0	0.6	HMKP25/2S154-40****
0.082	13.0	9.0	4.0	10.0	0.6	HMKP25/2S823-40****	0.18	13.0	12.0	6.0	10.0	0.6	HMKP25/2S184-40****
0.10	13.0	11.0	5.0	10.0	0.6	HMKP25/2S104-40****	0.22	13.0	13.0	7.0	10.0	0.6	HMKP25/2S224-40****
0.12	13.0	11.0	5.0	10.0	0.6	HMKP25/2S124-40****	0.27	13.0	13.0	7.0	10.0	0.6	HMKP25/2S274-40****

Notes: (1)"-"=capacitance tolerance code,G=±2%,H=±3%, J=±5%, K=±10%, M=±20%;
(2)"****"=terminal code and packaging code (see table 1).

Outline Dimensions

Standard type

450Vd.c.													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.33	13.0	14.0	8.0	10.0	0.6	HMKP25/2S334-40****	0.82	26.5	16.0	7.0	22.5	0.8	HMKP25/2S824-90****
0.10	18.0	11.0	5.0	15.0	0.6	HMKP25/2S104-60****	1.0	26.5	17.0	8.5	22.5	0.8	HMKP25/2S105-90****
0.12	18.0	11.0	5.0	15.0	0.6	HMKP25/2S124-60****	1.2	26.5	19.0	10.0	22.5	0.8	HMKP25/2S125-90****
0.15	18.0	11.0	5.0	15.0	0.6	HMKP25/2S154-60****	1.5	26.5	19.0	10.0	22.5	0.8	HMKP25/2S155-90****
0.18	18.0	11.0	5.0	15.0	0.6	HMKP25/2S184-60****	1.8	26.5	22.0	12.0	22.5	0.8	HMKP25/2S185-90****
0.22	18.0	11.0	5.0	15.0	0.6	HMKP25/2S224-60****	0.68	32.0	18.0	9.0	27.5	0.8	HMKP25/2S684-B0****
0.27	18.0	12.0	6.0	15.0	0.6	HMKP25/2S274-60****	0.82	32.0	18.0	9.0	27.5	0.8	HMKP25/2S824-B0****
0.33	18.0	12.0	6.0	15.0	0.6	HMKP25/2S334-60****	1.0	32.0	18.0	9.0	27.5	0.8	HMKP25/2S105-B0****
0.39	18.0	13.5	7.5	15.0	0.6	HMKP25/2S394-60****	1.2	32.0	18.0	9.0	27.5	0.8	HMKP25/2S125-B0****
0.47	18.0	13.5	7.5	15.0	0.6	HMKP25/2S474-60****	1.5	32.0	18.0	9.0	27.5	0.8	HMKP25/2S155-B0****
0.56	18.0	13.5	7.5	15.0	0.6	HMKP25/2S564-60****	1.8	32.0	20.0	11.0	27.5	0.8	HMKP25/2S185-B0****
0.68	18.0	16.0	10.0	15.0	0.8	HMKP25/2S684-60****	2.2	32.0	20.0	11.0	27.5	0.8	HMKP25/2S225-B0****
0.82	18.0	16.0	10.0	15.0	0.8	HMKP25/2S824-60****	2.7	32.0	22.0	13.0	27.5	0.8	HMKP25/2S275-B0****
1.0	18.0	19.0	11.0	15.0	0.8	HMKP25/2S105-60****	3.3	32.0	22.0	13.0	27.5	0.8	HMKP25/2S335-B0****
0.27	26.5	15.0	6.0	22.5	0.8	HMKP25/2S274-90****	3.9	32.0	24.5	15.0	27.5	0.8	HMKP25/2S395-B0****
0.33	26.5	15.0	6.0	22.5	0.8	HMKP25/2S334-90****	4.7	32.0	33.0	18.0	27.5	0.8	HMKP25/2S475-B0****
0.39	26.5	15.0	6.0	22.5	0.8	HMKP25/2S394-90****	5.6	32.0	33.0	18.0	27.5	0.8	HMKP25/2S565-B0****
0.47	26.5	15.0	6.0	22.5	0.8	HMKP25/2S474-90****	6.8	32.0	33.0	18.0	27.5	0.8	HMKP25/2S685-B0****
0.56	26.5	16.0	7.0	22.5	0.8	HMKP25/2S564-90****	8.2	32.0	33.0	18.0	27.5	0.8	HMKP25/2S825-B0****
0.68	26.5	16.0	7.0	22.5	0.8	HMKP25/2S684-90****							
520Vd.c.													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.047	13.0	9.0	4.0	10.0	0.6	HMKP25/2T473-40****	0.18	13.0	13.0	7.0	10.0	0.6	HMKP25/2T184-40****
0.056	13.0	9.0	4.0	10.0	0.6	HMKP25/2T563-40****	0.22	13.0	13.0	7.0	10.0	0.6	HMKP25/2T224-40****
0.068	13.0	9.0	4.0	10.0	0.6	HMKP25/2T683-40****	0.27	13.0	14.0	8.0	10.0	0.6	HMKP25/2T274-40****
0.082	13.0	11.0	5.0	10.0	0.6	HMKP25/2T823-40****	0.033	18.0	11.0	5.0	15.0	0.6	HMKP25/2T333-60****
0.10	13.0	11.0	5.0	10.0	0.6	HMKP25/2T104-40****	0.039	18.0	11.0	5.0	15.0	0.6	HMKP25/2T393-60****
0.12	13.0	12.0	6.0	10.0	0.6	HMKP25/2T124-40****	0.047	18.0	11.0	5.0	15.0	0.6	HMKP25/2T473-60****
0.15	13.0	12.0	6.0	10.0	0.6	HMKP25/2T154-40****	0.056	18.0	11.0	5.0	15.0	0.6	HMKP25/2T563-60****

Notes: (1)"-"=capacitance tolerance code,G=±2%,H=±3%, J=±5%, K=±10%, M=±20%;
(2)"****"=terminal code and packaging code (see table 1).

Outline Dimensions

Standard type

520Vd.c.													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.068	18.0	11.0	5.0	15.0	0.6	HMKP25/2T683-60****	0.82	26.5	17.0	8.5	22.5	0.8	HMKP25/2T824-90****
0.082	18.0	11.0	5.0	15.0	0.6	HMKP25/2T823-60****	1.0	26.5	19.0	10.0	22.5	0.8	HMKP25/2T105-90****
0.10	18.0	11.0	5.0	15.0	0.6	HMKP25/2T104-60****	1.2	26.5	19.0	10.0	22.5	0.8	HMKP25/2T125-90****
0.12	18.0	11.0	5.0	15.0	0.6	HMKP25/2T124-60****	1.5	26.5	22.0	12.0	22.5	0.8	HMKP25/2T155-90****
0.15	18.0	11.0	5.0	15.0	0.6	HMKP25/2T154-60****	1.8	26.5	22.0	12.0	22.5	0.8	HMKP25/2T185-90****
0.18	18.0	11.0	5.0	15.0	0.6	HMKP25/2T184-60****	0.27	32.0	18.0	9.0	27.5	0.8	HMKP25/2T274-B0****
0.22	18.0	12.0	6.0	15.0	0.6	HMKP25/2T224-60****	0.33	32.0	18.0	9.0	27.5	0.8	HMKP25/2T334-B0****
0.27	18.0	12.0	6.0	15.0	0.6	HMKP25/2T274-60****	0.39	32.0	18.0	9.0	27.5	0.8	HMKP25/2T394-B0****
0.33	18.0	13.5	7.5	15.0	0.6	HMKP25/2T334-60****	0.47	32.0	18.0	9.0	27.5	0.8	HMKP25/2T474-B0****
0.39	18.0	13.5	7.5	15.0	0.6	HMKP25/2T394-60****	0.56	32.0	18.0	9.0	27.5	0.8	HMKP25/2T564-B0****
0.47	18.0	14.5	8.5	15.0	0.8	HMKP25/2T474-60****	0.68	32.0	18.0	9.0	27.5	0.8	HMKP25/2T684-B0****
0.56	18.0	16.0	10.0	15.0	0.8	HMKP25/2T564-60****	0.82	32.0	18.0	9.0	27.5	0.8	HMKP25/2T824-B0****
0.68	18.0	16.0	10.0	15.0	0.8	HMKP25/2T684-60****	1.0	32.0	18.0	9.0	27.5	0.8	HMKP25/2T105-B0****
0.82	18.0	19.0	11.0	15.0	0.8	HMKP25/2T824-60****	1.2	32.0	18.0	9.0	27.5	0.8	HMKP25/2T125-B0****
1.0	18.0	19.0	11.0	15.0	0.8	HMKP25/2T105-60****	1.5	32.0	20.0	11.0	27.5	0.8	HMKP25/2T155-B0****
0.18	26.5	15.0	6.0	22.5	0.6	HMKP25/2T184-90****	1.8	32.0	20.0	11.0	27.5	0.8	HMKP25/2T185-B0****
0.22	26.5	15.0	6.0	22.5	0.6	HMKP25/2T224-90****	2.2	32.0	22.0	13.0	27.5	0.8	HMKP25/2T225-B0****
0.27	26.5	15.0	6.0	22.5	0.6	HMKP25/2T274-90****	2.7	32.0	24.5	15.0	27.5	0.8	HMKP25/2T275-B0****
0.33	26.5	15.0	6.0	22.5	0.6	HMKP25/2T334-90****	3.3	32.0	28.0	14.0	27.5	0.8	HMKP25/2T335-B0****
0.39	26.5	15.0	6.0	22.5	0.6	HMKP25/2T394-90****	3.9	32.0	28.0	14.0	27.5	0.8	HMKP25/2T395-B0****
0.47	26.5	15.0	6.0	22.5	0.6	HMKP25/2T474-90****	4.7	32.0	33.0	18.0	27.5	0.8	HMKP25/2T475-B0****
0.56	26.5	16.0	7.0	22.5	0.6	HMKP25/2T564-90****	5.6	32.0	33.0	18.0	27.5	0.8	HMKP25/2T565-B0****
0.68	26.5	16.0	7.0	22.5	0.6	HMKP25/2T684-90****	6.8	32.0	33.0	18.0	27.5	0.8	HMKP25/2T685-B0****
630Vd.c.													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.022	13.0	9.0	4.0	10.0	0.6	HMKP25/2J223-40****	0.039	13.0	9.0	4.0	10.0	0.6	HMKP25/2J393-40****
0.027	13.0	9.0	4.0	10.0	0.6	HMKP25/2J273-40****	0.047	13.0	11.0	5.0	10.0	0.6	HMKP25/2J473-40****
0.033	13.0	9.0	4.0	10.0	0.6	HMKP25/2J333-40****	0.056	13.0	11.0	5.0	10.0	0.6	HMKP25/2J563-40****

Outline Dimensions

Standard type

630Vd.c.													
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	d (mm)	Ordering Information
0.068	13.0	11.0	5.0	10.0	0.6	HMKP25/2J683-40****	0.33	26.5	15.0	6.0	22.5	0.8	HMKP25/2J334-90****
0.082	13.0	12.0	6.0	10.0	0.6	HMKP25/2J823-40****	0.39	26.5	16.0	7.0	22.5	0.8	HMKP25/2J394-90****
0.10	13.0	12.0	6.0	10.0	0.6	HMKP25/2J104-40****	0.47	26.5	16.0	7.0	22.5	0.8	HMKP25/2J474-90****
0.12	13.0	13.0	7.0	10.0	0.6	HMKP25/2J124-40****	0.56	26.5	17.0	8.5	22.5	0.8	HMKP25/2J564-90****
0.15	13.0	13.0	7.0	10.0	0.6	HMKP25/2J154-40****	0.68	26.5	17.0	8.5	22.5	0.8	HMKP25/2J684-90****
0.18	13.0	14.0	8.0	10.0	0.6	HMKP25/2J184-40****	0.82	26.5	18.5	10.0	22.5	0.8	HMKP25/2J824-90****
0.068	18.0	11.0	5.0	15.0	0.6	HMKP25/2J683-60****	1.0	26.5	18.5	10.0	22.5	0.8	HMKP25/2J105-90****
0.082	18.0	11.0	5.0	15.0	0.6	HMKP25/2J823-60****	1.2	26.5	22.0	12.0	22.5	0.8	HMKP25/2J125-90****
0.10	18.0	11.0	5.0	15.0	0.6	HMKP25/2J104-60****	0.27	32.0	18.0	9.0	27.5	0.8	HMKP25/2J274-B0****
0.12	18.0	11.0	5.0	15.0	0.6	HMKP25/2J124-60****	0.33	32.0	18.0	9.0	27.5	0.8	HMKP25/2J334-B0****
0.15	18.0	12.0	6.0	15.0	0.6	HMKP25/2J154-60****	0.39	32.0	18.0	9.0	27.5	0.8	HMKP25/2J394-B0****
0.18	18.0	12.0	6.0	15.0	0.6	HMKP25/2J184-60****	0.47	32.0	18.0	9.0	27.5	0.8	HMKP25/2J474-B0****
0.22	18.0	13.5	7.5	15.0	0.6	HMKP25/2J224-60****	0.56	32.0	18.0	9.0	27.5	0.8	HMKP25/2J564-B0****
0.27	18.0	13.5	7.5	15.0	0.6	HMKP25/2J274-60****	0.68	32.0	18.0	9.0	27.5	0.8	HMKP25/2J684-B0****
0.33	18.0	14.5	8.5	15.0	0.8	HMKP25/2J334-60****	0.82	32.0	18.0	9.0	27.5	0.8	HMKP25/2J824-B0****
0.39	18.0	16.0	10.0	15.0	0.8	HMKP25/2J394-60****	1.0	32.0	20.0	11.0	27.5	0.8	HMKP25/2J105-B0****
0.47	18.0	16.0	10.0	15.0	0.8	HMKP25/2J474-60****	1.2	32.0	20.0	11.0	27.5	0.8	HMKP25/2J125-B0****
0.56	18.0	19.0	11.0	15.0	0.8	HMKP25/2J564-60****	1.5	32.0	22.0	13.0	27.5	0.8	HMKP25/2J155-B0****
0.68	18.0	19.0	11.0	15.0	0.8	HMKP25/2J684-60****	1.8	32.0	22.0	13.0	27.5	0.8	HMKP25/2J185-B0****
0.15	26.5	15.0	6.0	22.5	0.8	HMKP25/2J154-90****	2.2	32.0	24.5	15.0	27.5	0.8	HMKP25/2J225-B0****
0.18	26.5	15.0	6.0	22.5	0.8	HMKP25/2J184-90****	2.7	32.0	28.0	14.0	27.5	0.8	HMKP25/2J275-B0****
0.22	26.5	15.0	6.0	22.5	0.8	HMKP25/2J224-90****	3.3	32.0	33.0	18.0	27.5	0.8	HMKP25/2J335-B0****
0.27	26.5	15.0	6.0	22.5	0.8	HMKP25/2J274-90****	3.9	32.0	33.0	18.0	27.5	0.8	HMKP25/2J395-B0****

Notes: (1)"-"=capacitance tolerance code,G=±2%,H=±3%, J=±5%, K=±10%, M=±20%;
(2)"****"=terminal code and packaging code (see table 1).

HCBB61

Metallized polypropylene film AC motor capacitor (plastic case)

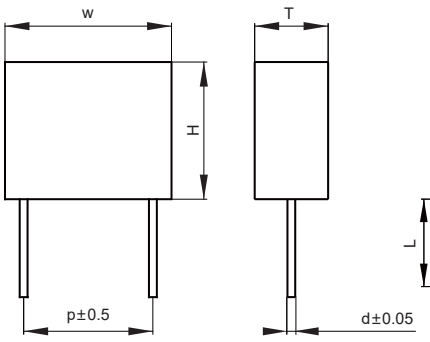
Features

- Widely applied to starting and running of AC single-phase motors at 50/60HZ frequency power
- Encapsulated in flame-resistant plastic case,sealed with epoxy resin
- Self-healing property
- Stable performance and high reliability

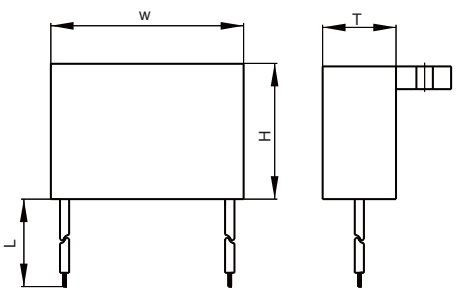
Safety Approvals

cqc	CQC	GB/T 3667.1	0.1μF-60μF,±5%,370Va.c.-500Va.c. 40/70/21,40/85/21,B/C,S0,SH,50/60Hz 证书号：CQC03002003946 0.5μF-70μF,±5%,220Va.c.-350Va.c. 40/70/21,40/85/21,B/C,S0,SH,50/60Hz File No.：CQC11006059171 0.5μF-10μF,±5%,370Va.c.-500Va.c. 40/105/21,B/C,S0,SH,50/60Hz File No.：CQC14006120849
VDE	VDE	EN 60252-1	0.5μF-45μF,±5%,250Va.c.-500Va.c. 25/70/21, 25/85/21, 40/70/21, 40/85/21, B/C,S0,SH,50/60Hz File No.：40001530
TUV	TUV	EN 60252-1	0.5μF-45μF,±5%,220Va.c.-500Va.c. 40/70/21, 40/85/21,B/C,S0,SH,50/60Hz File No.：R 50387542
c UL us	UL/CUL	UL810 CSA C22.2 N0.190	0.5μF-45μF,±5%,250Va.c.-500Va.c. max 90°C,50/60Hz File No.：E222132,CCN:CZDS2/8

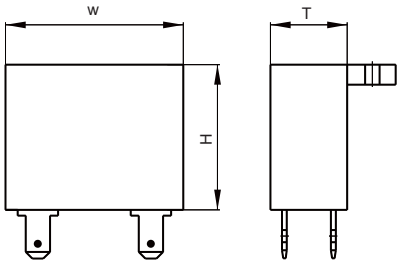
Outline drawing



a) Tinned wires



b) Lead wires



c) Tabs

Specifications

Reference standard		GB/T 3667.1 (IEC 60252-1)
Rated voltage		250Va.c. ~ 500Va.c. (50Hz/60Hz)
Class of operation		Class B(10000h),Class C(3000h)
Capacitance range		0.5μF ~ 45μF
Climatic category		40/70/21 or 40/85/21
Class of safety protection		S0
Operation temperature range		-40℃~70℃ or -40℃~85℃
Capacitance tolerance		±5%(J)
Voltage proof	Between terminals	$2U_{NAC}$(2s)
	Between terminals and case	2000Va.c. (60s)
Insulation resistance($IR \times C_N$)		⩾3000s(20℃,100Vd.c.,60s)
Dissipation factor		⩽0.0020(100Hz,20℃)
Max permissible voltage		$1.1U_N$
Max permissible current		$1.3I_N$

Ordering Information

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
H	C	B	B	6	1	/												(	×	×	×	)

Series code

AC rated voltage

E2=250V
S2=450V
H2=500V

Rated capacitance value

For example:
224=22×10⁴ pF
=0.22μF

Capacitance tolerance

J=±5%

Pitch/Width of plastic case

Pitch(for tinned wire)
B=27.5mm D=32.5mm F=37.5mm

Width of plastic case (for tabs and lead wires)
1=32mm 2=37mm 3=42mm 4=47mm 5=57mm 6=67mm

Class of operation

B-10000h
C-3000h

Terminal code

See table 1

Internal code

To identifiy when the special requirements needed

Table 1 Terminal code

Digit 16		Digit 17		Digit 18	
Code	Terminal form	Code	Fixed style	Code	Length tolerance
1	One AMP250# per side	0	PCB(tin wires)	0	Standard tin wires lead=5.0mm±0.5mm; Standzard lead wires=140mm±10mm or tabs version
2	Two AMP250# per side	1	Earless (tabs or lead wires)	L	Customized length and tolerance
4	One AMP187# per side	2	Bottom middle ear (tabs or lead wires)		
5	Two AMP187# per side				
6	Lead wires				
7	Tinned wires				

Outline Dimensions

250Va.c. (Class B/Class C) Tinned wires											
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	Ordering Information
0.5	32	16	7	27.5	HCBB61/E2504JBC70*	2.5	36	23	13	32.5	HCBB61/E2255JDC70*
1.0	32	18	9	27.5	HCBB61/E2105JBC70*	3.0	36	27	14	32.5	HCBB61/E2305JDC70*
1.5	32	20	11	27.5	HCBB61/E2155JBC70*	3.5	36	27	14	32.5	HCBB61/E2355JDC70*
2.0	32	20	11	27.5	HCBB61/E2205JBC70*	4.0	36	27	14	32.5	HCBB61/E2405JDC70*
2.5	32	22	13	27.5	HCBB61/E2255JBC70*	4.5	36	30.5	19	32.5	HCBB61/E2455JDC70*
3.0	32	25	15	27.5	HCBB61/E2305JBC70*	5.0	36	30.5	19	32.5	HCBB61/E2505JDC70*
3.5	32	25	15	27.5	HCBB61/E2355JBC70*	5.5	36	30.5	19	32.5	HCBB61/E2555JDC70*
4.0	32	28	17	27.5	HCBB61/E2405JBC70*	6.0	36	30.5	19	32.5	HCBB61/E2605JDC70*
4.5	32	28	17	27.5	HCBB61/E2455JBC70*	6.5	36	33	18	32.5	HCBB61/E2655JDC70*
5.0	32	28	17	27.5	HCBB61/E2505JBC70*	7.0	36	33	18	32.5	HCBB61/E2705JDC70*
1.0	36	20	10	32.5	HCBB61/E2105JDC70*	7.5	36	36	20	32.5	HCBB61/E2755JDC70*
1.5	36	20	10	32.5	HCBB61/E2155JDC70*	8.0	36	36	20	32.5	HCBB61/E2805JDC70*
2.0	36	23	13	32.5	HCBB61/E2205JDC70*	9.0	36	36	20	32.5	HCBB61/E2905JDC70*

Notes:1) “70*”= terminal length and tolerance of the tinned wires installation method. “0”= standard terminal length, “L”= customized length and the tolerance(See table 1), please contact us when ordering the products.

Outline Dimensions

250Va.c. (Class B/Class C) Tabs or lead wires									
C_N (μF)	W (mm)	H (mm)	T (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	Ordering Information
1.0	37	20	10	HCBB61/E2105J2C***	6.0	47	27	17	HCBB61/E2605J4C***
1.5	37	20	10	HCBB61/E2155J2C***	6.5	47	27	17	HCBB61/E2655J4C***
2.0	37	22	12	HCBB61/E2205J2C***	7.0	47	32	17	HCBB61/E2705J4C***
2.5	37	22	12	HCBB61/E2255J2C***	7.5	47	32	17	HCBB61/E2755J4C***
3.0	37	28	15	HCBB61/E2305J2C***	8.0	47	32	17	HCBB61/E2805J4C***
3.5	37	28	15	HCBB61/E2355J2C***	9.0	47	34	18	HCBB61/E2905J4C***
4.0	37	28	15	HCBB61/E2405J2C***	10.0	47	32	21	HCBB61/E2106J4C***
4.5	37	28	18	HCBB61/E2455J2C***	11.0	47	35	22	HCBB61/E2116J4C***
5.0	37	28	18	HCBB61/E2505J2C***	12.0	47	35	22	HCBB61/E2126J4C***
5.5	37	28	18	HCBB61/E2555J2C***	12.5	47	36	23	HCBB61/E212EJ4C***
6.0	37	30	20	HCBB61/E2605J2C***	13.0	47	36	23	HCBB61/E2136J4C***
6.5	37	30	20	HCBB61/E2655J2C***	14.0	47	36	24	HCBB61/E2146J4C***
7.0	37	30	20	HCBB61/E2705J2C***	15.0	47	38	26	HCBB61/E2156J4C***
7.5	37	36	20	HCBB61/E2755J2C***	17.5	47	40	26	HCBB61/E217EJ4C***
8.0	37	36	20	HCBB61/E2805J2C***	15.0	57	35	23	HCBB61/E2156J5C***
9.0	37	36	20	HCBB61/E2905J2C***	20.0	57	40	23	HCBB61/E2206J5C***
3.5	47	26	14	HCBB61/E2355J4C***	25.0	57	45	25	HCBB61/E2256J5C***
4.0	47	26	14	HCBB61/E2405J4C***	30.0	57	45	25	HCBB61/E2306J5C***
4.5	47	26	14	HCBB61/E2455J4C***	35.0	67	45	30	HCBB61/E2356J6C***
5.0	47	27	17	HCBB61/E2505J4C***	45.0	67	54	34	HCBB61/E2456J6C***
5.5	47	27	17	HCBB61/E2555J4C***					

Notes: 1) "***"= terminal code of tabs or lead wires.Various installations can be provided.Please choose the type according to table 1 and contact us for specific installation requirements.

Outline Dimensions

450Va.c. (Class B) Tinned wires											
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	Ordering Information
1.0	32	22	13	27.5	HCBB61/S2105JBB70*	2.0	36	27	14	32.5	HCBB61/S2205JDB70*
1.5	32	25	15	27.5	HCBB61/S2155JBB70*	2.5	36	28	16	32.5	HCBB61/S2255JDB70*
2.0	32	27	16	27.5	HCBB61/S2205JBB70*	3.0	36	30.5	19	32.5	HCBB61/S2305JDB70*
2.5	32	28	18	27.5	HCBB61/S2255JBB70*	3.5	36	30.5	19	32.5	HCBB61/S2355JDB70*
3.0	32	30	20	27.5	HCBB61/S2305JBB70*	4.0	36	34	22	32.5	HCBB61/S2405JDB70*
3.5	32	31	21	27.5	HCBB61/S2355JBB70*	4.5	36	34	22	32.5	HCBB61/S2455JDB70*
4.0	32	34	22	27.5	HCBB61/S2405JBB70*	5.0	36	36	24	32.5	HCBB61/S2505JDB70*
1.0	36	22.5	12	32.5	HCBB61/S2105JDB70*	5.5	36	38	22	32.5	HCBB61/S2555JDB70*
1.2	36	23	13	32.5	HCBB61/S2125JDB70*	6.0	36	38	24	32.5	HCBB61/S2605JDB70*
1.5	36	24.5	14	32.5	HCBB61/S2155JDB70*	6.5	36	38	26	32.5	HCBB61/S2655JDB70*
1.8	36	25.5	14.5	32.5	HCBB61/S2185JDB70*	7.0	36	39	27	32.5	HCBB61/S2705JDB70*

450Va.c. (Class B) Tabs or lead wires									
C_N (μF)	W (mm)	H (mm)	T (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	Ordering Information
1.0	37	22	12	HCBB61/S2105J2B***	5.5	47	35	22	HCBB61/S2555J4B***
1.2	37	22	12	HCBB61/S2125J2B***	6.0	47	35	22	HCBB61/S2605J4B***
1.5	37	24	14	HCBB61/S2155J2B***	6.5	47	35	22	HCBB61/S2655J4B***
1.8	37	28	15	HCBB61/S2185J2B***	7.0	47	38	26	HCBB61/S2705J4B***
2.0	37	28	15	HCBB61/S2205J2B***	7.5	47	38	26	HCBB61/S2755J4B***
2.5	37	28	18	HCBB61/S2255J2B***	8.0	47	38	26	HCBB61/S2805J4B***
3.0	37	30	18	HCBB61/S2305J2B***	9.0	47	38	26	HCBB61/S2905J4B***
3.5	37	30	20	HCBB61/S2355J2B***	10.0	47	45	25	HCBB61/S2106J4B***
4.0	37	32	20	HCBB61/S2405J2B***	11.0	47	45	30	HCBB61/S2116J4B***
2.5	47	25	15	HCBB61/S2255J4B***	12.0	47	45	30	HCBB61/S2126J4B***
3.0	47	27	17	HCBB61/S2305J4B***	12.5	47	45	30	HCBB61/S212EJ4B***
3.5	47	27	17	HCBB61/S2355J4B***	15.0	57	45	27	HCBB61/S2156J5B***
4.0	47	30	20	HCBB61/S2405J4B***	18.0	67	45	30	HCBB61/S2186J6B***
4.5	47	32	21	HCBB61/S2455J4B***	20.0	67	45	30	HCBB61/S2206J6B***
5.0	47	32	21	HCBB61/S2505J4B***	25.0	67	54	34	HCBB61/S2256J6B***

Notes:1) “70*”= terminal length and tolerance of the tinned wires installation method. “0”= standard terminal length, “L”= customized length and the tolerance(See table 1), please contact us when ordering the products.

2) “***”= terminal code of tabs or lead wires. Various installations can be provided. Please choose the type according to table 1 and contact us for specific installation requirements.

Outline Dimensions

500Va.c. (Class C) Tinned wires											
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	Ordering Information
0.5	32	20	11	27.5	HCBB61/H2504JBC70*	6.5	36	41	26	32.5	HCBB61/H2655JDC70*
1.0	32	22	13	27.5	HCBB61/H2105JBC70*	7.0	36	45	30	32.5	HCBB61/H2705JDC70*
1.5	32	28	14	27.5	HCBB61/H2155JBC70*	7.5	36	45	30	32.5	HCBB61/H2755JDC70*
2.0	32	33	18	27.5	HCBB61/H2205JBC70*	8.0	36	45	30	32.5	HCBB61/H2805JDC70*
2.5	32	33	18	27.5	HCBB61/H2255JBC70*	2.0	42	28	14	37.5	HCBB61/H2205JFC70*
3.0	32	37	22	27.5	HCBB61/H2305JBC70*	2.5	41	30	16	37.5	HCBB61/H2255JFC70*
3.5	32	37	22	27.5	HCBB61/H2355JBC70*	3.0	41	32	17	37.5	HCBB61/H2305JFC70*
4.0	32	37	22	27.5	HCBB61/H2405JBC70*	3.5	41	32	17	37.5	HCBB61/H2355JFC70*
1.0	36	22	11	32.5	HCBB61/H2105JDC70*	4.0	41	33.5	18.5	37.5	HCBB61/H2405JFC70*
1.5	36	27	14	32.5	HCBB61/H2155JDC70*	4.5	41	37	22	37.5	HCBB61/H2455JFC70*
2.0	36	29	14	32.5	HCBB61/H2205JDC70*	5.0	41	37	22	37.5	HCBB61/H2505JFC70*
2.5	36	28	18	32.5	HCBB61/H2255JDC70*	5.5	41	37	22	37.5	HCBB61/H2555JFC70*
3.0	36	33	18	32.5	HCBB61/H2305JDC70*	6.0	41	37	22	37.5	HCBB61/H2605JFC70*
3.5	36	33	18	32.5	HCBB61/H2355JDC70*	6.5	41	41	26	37.5	HCBB61/H2655JFC70*
4.0	36	37	22	32.5	HCBB61/H2405JDC70*	7.0	41	41	26	37.5	HCBB61/H2705JFC70*
4.5	36	37	22	32.5	HCBB61/H2455JDC70*	7.5	41	41	26	37.5	HCBB61/H2755JFC70*
5.0	36	37	22	32.5	HCBB61/H2505JDC70*	8.0	42	45	30	37.5	HCBB61/H2805JFC70*
5.5	36	41	26	32.5	HCBB61/H2555JDC70*	8.5	42	45	30	37.5	HCBB61/H2855JFC70*
6.0	36	41	26	32.5	HCBB61/H2605JDC70*	9.0	42	45	30	37.5	HCBB61/H2905JFC70*

500Va.c. (Class C) Tabs or lead wires									
C_N (μF)	W (mm)	H (mm)	T (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	Ordering Information
0.5	32	20	11	HCBB61/H2504J1C***	4.0	47	35	22	HCBB61/H2405J4C***
1.0	32	22	13	HCBB61/H2105J1C***	4.5	47	35	22	HCBB61/H2455J4C***
1.5	32	28	14	HCBB61/H2155J1C***	5.0	47	36	23	HCBB61/H2505J4C***
1.8	32	33	18	HCBB61/H2185J1C***	5.5	47	36	23	HCBB61/H2555J4C***
2.0	32	33	18	HCBB61/H2205J1C***	6.0	47	38	26	HCBB61/H2605J4C***
2.5	32	33	18	HCBB61/H2255J1C***	6.5	47	38	26	HCBB61/H2655J4C***
3.0	32	37	22	HCBB61/H2305J1C***	7.0	47	40	26	HCBB61/H2705J4C***

Notes:1) “70*”= terminal length and tolerance of the tinned wires installation method. “0”= standard terminal length, “L”= customized length and the tolerance(See table 1), please contact us when ordering the products.

2) “***”= terminal code of tabs or lead wires. Various installations can be provided. Please choose the type according to table 1 and contact us for specific installation requirements.

Outline Dimensions

500Va.c. (Class C) Tabs or lead wires									
C_N (μF)	W (mm)	H (mm)	T (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	Ordering Information
3.5	32	37	22	HCBB61/H2355J1C***	7.5	47	40	26	HCBB61/H2755J4C***
4.0	32	37	22	HCBB61/H2405J1C***	8.0	47	45	25	HCBB61/H2805J4C***
1.0	37	23	13	HCBB61/H2105J2C***	8.5	47	45	25	HCBB61/H2855J4C***
1.5	37	28	15	HCBB61/H2155J2C***	9.0	47	45	25	HCBB61/H2905J4C***
1.8	37	28	15	HCBB61/H2185J2C***	10.0	47	45	30	HCBB61/H2106J4C***
2.0	37	28	18	HCBB61/H2205J2C***	12.0	57	45	27	HCBB61/H2126J5C***
2.5	37	30	20	HCBB61/H2255J2C***	15.0	67	45	30	HCBB61/H2156J6C***
2.0	47	26	14	HCBB61/H2205J4C***	16.0	67	45	30	HCBB61/H2166J6C***
2.5	47	27	17	HCBB61/H2255J4C***	18.0	67	54	34	HCBB61/H2186J6C***
3.0	47	30	20	HCBB61/H2305J4C***	20.0	67	54	34	HCBB61/H2206J6C***
3.5	47	32	21	HCBB61/H2355J4C***					

500Va.c. (Class B) Tinned wires											
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	Ordering Information
0.5	32	20	11	27.5	HCBB61/H2504JBB70*	2	42	28	14	37.5	HCBB61/H2205JFB70*
1	32	25	14	27.5	HCBB61/H2105JBB70*	2.5	41	30	16	37.5	HCBB61/H2255JFB70*
1.5	32	28	17	27.5	HCBB61/H2155JBB70*	3	41	32	17	37.5	HCBB61/H2305JFB70*
2	32	33	18	27.5	HCBB61/H2205JBB70*	3.5	41	33	18	37.5	HCBB61/H2355JFB70*
1	36	22	13	32.5	HCBB61/H2105JDB70*	4	41	34	20	37.5	HCBB61/H2405JFB70*
1.5	36	28	15	32.5	HCBB61/H2155JDB70*	4.5	41	37	22	37.5	HCBB61/H2455JFB70*
2	36	29	17	32.5	HCBB61/H2205JDB70*	5	41	37	22	37.5	HCBB61/H2505JFB70*
2.5	36	30	18	32.5	HCBB61/H2255JDB70*	5.5	41	37	26	37.5	HCBB61/H2555JFB70*
3	36	34	22	32.5	HCBB61/H2305JDB70*	6	41	37	26	37.5	HCBB61/H2605JFB70*
3.5	36	34	22	32.5	HCBB61/H2355JDB70*	6.5	41	41	26	37.5	HCBB61/H2655JFB70*
4	36	37	22	32.5	HCBB61/H2405JDB70*	7	41	43	28	37.5	HCBB61/H2705JFB70*
4.5	36	41	26	32.5	HCBB61/H2455JDB70*	7.5	41	43	28	37.5	HCBB61/H2755JFB70*
5	36	41	26	32.5	HCBB61/H2505JDB70*	8	42	45	30	37.5	HCBB61/H2805JFB70*
5.5	36	41	26	32.5	HCBB61/H2555JDB70*	8.5	42	45	30	37.5	HCBB61/H2855JFB70*
6	36	45	30	32.5	HCBB61/H2605JDB70*						

Notes:1) "70*"= terminal length and tolerance of the tinned wires installation method. "0"= standard terminal length, "L"= customized length and the tolerance(See table 1), please contact us when ordering the products.

2) "***"= terminal code of tabs or lead wires. Various installations can be provided. Please choose the type according to table 1 and contact us for specific installation requirements.

Outline Dimensions

500Va.c. (Class B) Tinned wires											
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	Ordering Information
6.5	36	45	30	32.5	HCBB61/H2655JDB70*	7	36	45	30	32.5	HCBB61/H2705JDB70*

500Va.c. (Class B) Tabs or lead wires									
C_N (μF)	W (mm)	H (mm)	T (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	Ordering Information
0.5	32	20	11	HCBB61/H2504J1B***	3.5	47	34	18	HCBB61/H2355J4B***
1.0	32	28	14	HCBB61/H2105J1B***	4.0	47	34	20	HCBB61/H2405J4B***
1.5	32	33	18	HCBB61/H2155J1B***	4.5	47	35	22	HCBB61/H2455J4B***
1.8	32	33	18	HCBB61/H2185J1B***	5.0	47	36	23	HCBB61/H2505J4B***
2.0	32	33	18	HCBB61/H2205J1B***	5.5	47	38	26	HCBB61/H2555J4B***
1.0	37	24	13.5	HCBB61/H2105J2B***	6.0	47	38	26	HCBB61/H2605J4B***
1.5	37	28	15	HCBB61/H2155J2B***	6.5	47	40	26	HCBB61/H2655J4B***
1.8	37	28	18	HCBB61/H2185J2B***	7.0	47	45	27	HCBB61/H2705J4B***
2.0	37	30	18	HCBB61/H2205J2B***	7.5	47	45	27	HCBB61/H2755J4B***
2.5	37	32	21	HCBB61/H2255J2B***	8.0	47	45	27	HCBB61/H2805J4B***
2.0	47	28	15	HCBB61/H2205J4B***	8.5	47	45	30	HCBB61/H2855J4B***
2.5	47	27	17	HCBB61/H2255J4B***	9.0	47	45	30	HCBB61/H2905J4B***
3.0	47	32	17	HCBB61/H2305J4B***	10.0	57	45	27	HCBB61/H2106J5B***

Notes:1) “70*”= terminal length and tolerance of the tinned wires installation method. “0”= standard terminal length,
“L”= customized length and the tolerance(See table 1), please contact us when ordering the products.
2) “***”= terminal code of tabs or lead wires. Various installations can be provided. Please choose the type according to table 1 and contact us for specific installation requirements.

HCBB61S

Metallized polypropylene film AC motor capacitor
(S3 safety protection, plastic case)

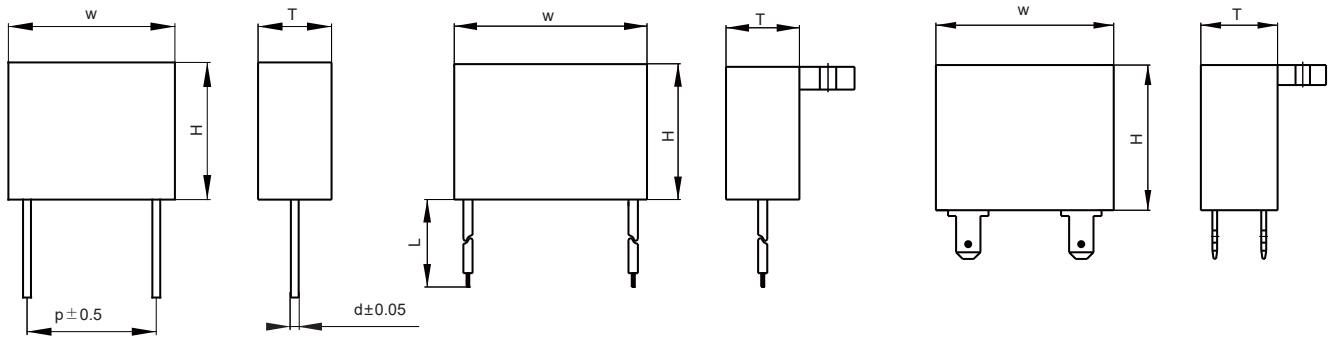
Features

- Widely applied to starting and running of AC single-phase motors at 50/60HZ frequency power
- Encapsulated in flame-resistant plastic case,sealed with epoxy resin.
- Self-healing property.
- Stable performance and high reliability.
- Adopt isolation film design， meet with S3 safety protection

Safety Approvals

cqc	CQC	GB/T 3667.1	0.5μF-45μF,±5%,370Va.c.-500Va.c. 40/70/21,40/85/21,B/C,S3,SH,50/60Hz File No.: CQC11006064628
	TUV	EN 60252-1	0.5μF-45μF,±5%,220Va.c.-500Va.c. 40/70/21, 40/85/21,B,S3,SH,50/60Hz File No.: R 50258753
CE	CE	2014/35/EU	0.5μF-45μF,±5%,220Va.c.-500Va.c. 40/70/21,40/85/21,B,S3,SH,50/60Hz File No.: AN 50508688 0001
c UL us	UL/CUL	UL810 CSA C22.2 N0.190	0.5μF-30μF,±5%,max 500Va.c. max 85℃,50/60Hz,“Protected”,10000AFC File No.: E481493,CCN:CYWT2/8

Outline Drawing



a) Tinned wires　　b) Lead wires　　c) Tabs

Specifications

Reference standard		GB/T 3667.1 (IEC 60252-1)
Rated voltage		250Va.c. ~ 500Va.c.(50Hz/60Hz)
Class of operation		Class B(10000h),Class C(3000h)
Capacitance range		0.5μF ~ 45μF
Climatic category		40/70/21 or 40/85/21
Class of safety protection		S3
Operation temperature range		-40℃~70℃ or -40℃~85℃
Capacitance tolerance		±5%(J)
Voltage proof	Between terminals	$2U_{NAC}$(2s)
	Between terminals and case	2000Va.c.(60s)
Insulation resistance($IR \times C_N$)		≥3000s(20℃,100Vd.c.,60s)
Dissipation factor		≤0.0020(100Hz,20℃)
Max permissible voltage		$1.1U_N$
Max permissible current		$1.3I_N$

Ordering Information

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
H	C	B	B	6	1	S	/												(	×	×	×	)

Series code | **Safety Class** | **AC rated voltage** | **Rated capacitance value** | **Capacitance tolerance** | **Pitch/Width of plastic case** | **Class of operation** | **Terminal code** | **Internal code**

- Safety Class: S3
- AC rated voltage: S2=450V; H2=500V
- Rated capacitance value: For example: 224=22×10⁴ pF =0.22μF
- Capacitance tolerance: J=±5%
- Pitch/Width of plastic case:
  - Pitch(for tinned wire): B=27.5mm D=32.5mm F=37.5mm
  - Width of plastic case (for tabs and lead wires): 1=32mm 2=37mm 3=42mm 4=47mm 5=57mm 6=67mm
- Class of operation: B-10000h C-3000h
- Terminal code: See table 1
- Internal code: To identifiy when the special requirements needed

Table 1 Terminals code

Digit 17		Digit 18		Digit 19	
Code	Terminal form	Code	Fixed style	Code	Length tolerance
1	One AMP250# per side	0	PCB (tin wires)	0	Standard tin wires = 5.0mm±0.5mm Standard lead wires= 140mm±10mm or tabs version
2	Two AMP250# per side	1	Earless (tabs or lead wires)	L	Customized length and tolerance
4	One AMP187# per side	2	Bottom middle ear (tabs or lead wires)		
5	Two AMP187# per side				
6	Lead wires				
7	Tinned wires				

Outline dimensions

450Va.c. (Class B) Tinned wires											
C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	P (mm)	Ordering Information
0.5	32	20	11	27.5	HCBB61S/S2504JBB70*	2.0	36	27	17	32.5	HCBB61S/S2205JDB70*
1.0	32	22	13	27.5	HCBB61S/S2105JBB70*	2.2	36	29	17	32.5	HCBB61S/S2225JDB70*
1.2	32	24	14	27.5	HCBB61S/S2125JBB70*	2.5	36	30.5	19	32.5	HCBB61S/S2255JDB70*
1.5	32	26	16	27.5	HCBB61S/S2155JBB70*	2.8	36	30.5	19	32.5	HCBB61S/S2285JDB70*
1.6	32	26	16	27.5	HCBB61S/S2165JBB70*	3.0	36	30	20	32.5	HCBB61S/S2305JDB70*
1.8	32	27	17	27.5	HCBB61S/S2185JBB70*	3.5	36	33	21	32.5	HCBB61S/S2355JDB70*
2.0	32	28	18	27.5	HCBB61S/S2205JBB70*	4.0	36	34	22	32.5	HCBB61S/S2405JDB70*
2.2	32	29	19	27.5	HCBB61S/S2225JBB70*	4.5	36	36	24	32.5	HCBB61S/S2455JDB70*
2.5	32	30	20	27.5	HCBB61S/S2255JBB70*	5.0	36	37	25	32.5	HCBB61S/S2505JDB70*
2.8	32	31	21	27.5	HCBB61S/S2285JBB70*	5.5	36	38	26	32.5	HCBB61S/S2555JDB70*
3.0	32	32	22	27.5	HCBB61S/S2305JBB70*	6.0	36	39	27	32.5	HCBB61S/S2605JDB70*
3.5	32	34	24	27.5	HCBB61S/S2355JBB70*	6.3	36	40	28	32.5	HCBB61S/S2635JDB70*
4.0	32	35	25	27.5	HCBB61S/S2405JBB70*	6.5	36	40	28	32.5	HCBB61S/S2655JDB70*
1.0	36	23	13	32.5	HCBB61S/S2105JDB70*	7.0	36	42	28	32.5	HCBB61S/S2705JDB70*
1.2	36	23	13	32.5	HCBB61S/S2125JDB70*	7.5	36	42	30	32.5	HCBB61S/S2755JDB70*
1.5	36	25	15	32.5	HCBB61S/S2155JDB70*	8.0	36	44	30	32.5	HCBB61S/S2805JDB70*
1.6	36	25	15	32.5	HCBB61S/S2165JDB70*	8.5	36	44	32	32.5	HCBB61S/S2855JDB70*
1.8	36	26	16	32.5	HCBB61S/S2185JDB70*						

Notes:1) “70*”= terminal length and tolerance of the tinned wires installation method. “0”= standard terminal length, “L”= customized length and the tolerance(See table 1), please contact us when ordering the products.

Outline dimensions

450Va.c. (Class B) Tabs or lead wires									
C_N (μF)	W (mm)	H (mm)	T (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	Ordering Information
0.5	32	20	11	HCBB61S/S2504J1B***	6.0	47	36	23	HCBB61S/S2605J4B***
1.0	37	22	12	HCBB61S/S2105J2B***	6.5	47	38	26	HCBB61S/S2655J4B***
1.5	37	25	15	HCBB61S/S2155J2B***	7.0	47	38	26	HCBB61S/S2705J4B***
2.0	37	28	15	HCBB61S/S2205J2B***	7.5	47	38	26	HCBB61S/S2755J4B***
2.5	37	30	20	HCBB61S/S2255J2B***	8.0	47	40	26	HCBB61S/S2805J4B***
3.0	37	32	21	HCBB61S/S2305J2B***	8.5	47	45	25	HCBB61S/S2855J4B***
3.5	37	32	21	HCBB61S/S2355J2B***	9.0	47	45	25	HCBB61S/S2905J4B***
2.0	47	26	14	HCBB61S/S2205J4B***	10.0	47	45	25	HCBB61S/S2106J4B***
2.5	47	27	17	HCBB61S/S2255J4B***	11.0	57	45	25	HCBB61S/S2116J5B***
3.0	47	27	17	HCBB61S/S2305J4B***	12.0	57	45	27	HCBB61S/S2126J5B***
3.5	47	32	17	HCBB61S/S2355J4B***	15.0	67	45	30	HCBB61S/S2156J6B***
4.0	47	32	20	HCBB61S/S2405J4B***	18.0	67	45	30	HCBB61S/S2186J6B***
4.5	47	32	21	HCBB61S/S2455J4B***	20.0	67	54	34	HCBB61S/S2206J6B***
5.0	47	35	22	HCBB61S/S2505J4B***	25.0	67	54	34	HCBB61S/S2256J6B***
5.5	47	36	23	HCBB61S/S2555J4B***					

500Va.c. (Class B) Tabs or lead wires									
C_N (μF)	W (mm)	H (mm)	T (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	Ordering Information
0.5	32	23	13	HCBB61S/H2504J1B***	4.0	47	36	23	HCBB61S/H2405J4B***
1.0	32	26	16	HCBB61S/H2105J1B***	4.5	47	36	23	HCBB61S/H2455J4B***
1.2	32	27	17	HCBB61S/H2125J1B***	5.0	47	38	26	HCBB61S/H2505J4B***
1.5	32	30	20	HCBB61S/H2155J1B***	5.5	47	38	26	HCBB61S/H2555J4B***
1.8	32	30	20	HCBB61S/H2185J1B***	6.0	47	45	25	HCBB61S/H2605J4B***
2.0	32	32	22	HCBB61S/H2205J1B***	6.5	47	45	25	HCBB61S/H2655J4B***
2.5	32	35	25	HCBB61S/H2255J1B***	7.0	47	45	25	HCBB61S/H2705J4B***
1.0	37	24	14	HCBB61S/H2105J2B***	7.5	47	45	30	HCBB61S/H2755J4B***
1.2	37	25	15	HCBB61S/H2125J2B***	8.0	47	45	30	HCBB61S/H2805J4B***
1.5	37	28	18	HCBB61S/H2155J2B***	8.5	47	45	30	HCBB61S/H2855J4B***
1.8	37	28	18	HCBB61S/H2185J2B***	9.0	57	45	27	HCBB61S/H2905J5B***
2.0	37	30	20	HCBB61S/H2205J2B***	10.0	67	45	30	HCBB61S/H2106J6B***

Notes:1) "***"= terminal code of tabs or lead wires. Various installations can be provided. Please choose the type according to table 1 and contact us for specific installation requirements.

Outline dimensions

500Va.c. (Class B) Tabs or lead wires									
C_N (μF)	W (mm)	H (mm)	T (mm)	Ordering Information	C_N (μF)	W (mm)	H (mm)	T (mm)	Ordering Information
2.5	37	32	21	HCBB61S/H2255J2B***	12.0	67	45	30	HCBB61S/H2126J6B***
2.0	47	27	17	HCBB61S/H2205J4B***	15.0	67	54	34	HCBB61S/H2156J6B***
2.5	47	30	20	HCBB61S/H2255J4B***	16.0	67	54	34	HCBB61S/H2166J6B***
3.0	47	30	20	HCBB61S/H2305J4B***	18.0	67	54	34	HCBB61S/H2186J6B***
3.5	47	35	22	HCBB61S/H2355J4B***					

Notes:1) "***"= terminal code of tabs or lead wires. Various installations can be provided. Please choose the type according to table 1 and contact us for specific installation requirements.

HCBB60

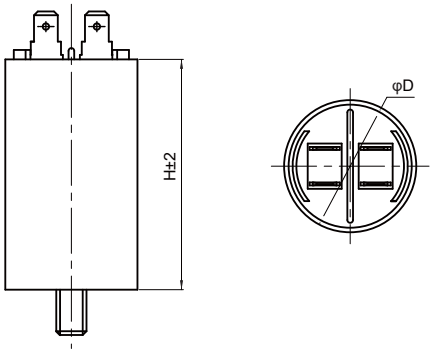
Metallized polypropylene film AC motor capacitor
(cylindrical, plastic case)

- Widely applied to starting and runining of AC single-phase motors at 50Hz/60Hz frequency power
- Encapsulated in flame-resistant plastic case,sealed with epoxy resin
- Self-healing property
- Stable performance and high reliability

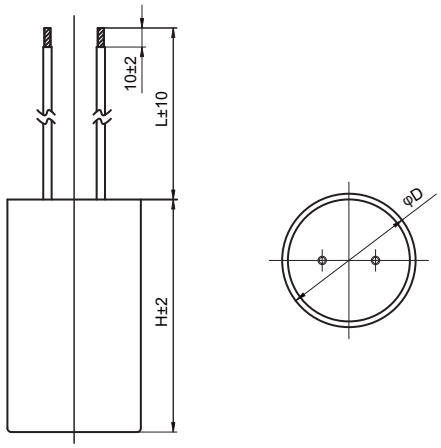
Safety Approvals

cqc	CQC	GB/T 3667.1	1μF-99μF,±5%,220Va.c.-350Va.c. 40/70/21,40/85/21,B/C,S0,SH,50/60Hz File No.: CQC11006059170 1μF-60μF,±5%,420Va.c.-500Va.c. 40/70/21,40/85/21,B/C,S0,SH,50/60Hz File No.: CQC03002003945
DVE	VDE	EN 60252-1	1μF-100μF,±5%,250Va.c.-500Va.c. 25/70/21,25/85/21, 40/70/21, 40/85/21,B/C,S0,SH,50/60Hz File No.: 40001662
c UL us	UL/CUL	UL810 CSA C22.2 N0.190	1μF-60μF,±5%,250Va.c.-500Va.c. max 90°C,50/60Hz File No.: E222132,CCN:CZDS2/8

Outline Drawing



a) Tabs



b) lead wires

Specifications

Reference standard		GB/T 3667.1 (IEC 60252-1)
Rated voltage		250Va.c.~500Va.c.(50Hz/60Hz)
Class of operation		Class B(10000h),Class C(3000h)
Capacitance range		1μF ~ 100μF
Climatic category		40/70/21 or 40/85/21
Operation temperature range		-40℃~70℃ or -40℃~85℃
Class of safety protection		S0
Capacitance tolerance		±5%(J)
Voltage proof	Between terminals	$2U_{NAC}$(2s)
	Between terminals and case	2000Va.c. (60s)
Insulation resistance($IR \times C_N$)		⩾3000s(20℃,100d.c.,60s)
Dissipation factor		⩽0.0020(100Hz,20℃)
Max permissible voltage		$1.1U_N$
Max permissible current		$1.3I_N$

Ordering Information

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
H	C	B	B	6	0	/													(	×	×	×	)

Series code (1 2 3 4 5 6)

AC rated voltage (8 9)

- E2=250V
- Q1=300V
- S2=450V
- H2=500V

Rated capacitance value (10 11 12)

For example:
155=15×10^5 pF
=1.5μF

Capacitance tolerance (13)

J=±5%

Outline dimension code (14 15)

See table 1

Class of operation (16)

B-10000h
C-3000h

Terminal code (17 18 19)

See table 2

Internal code (20 21 22 23 24)

To identifiy when the special requirements needed

Table 1 Outline Dimensions code

Digit 14		Digit 15			
Code	D(mm)	Code	H(mm)	Code	H(mm)
1	25	1	38	D	70
2	28	2	43	E	75
3	30	3	48	F	76
4	32	4	50	G	80
5	35	5	52	H	85
6	40	6	53	J	90
7	41	7	54	K	95
8	45	8	55	L	100
9	50	9	57	M	110
A	55	A	58	N	115
B	60	B	62	P	120
		C	65	Q	72

Table 2 Terminal code

Digit 17		Digit 18		Digit 19	
Code	Terminal form	Code	Fixed style	Code	Length tolerance
1	One AMP250# per side	0	No bottom-bolt	0	Standard lead wire:140mm±10mm or tabs
2	Two AMP250# per side	2	With bottom-bolt	L	Customized length and tolerance
6	Lead wires				

Outline Dimensions

C_N (μF)	250Va.c./300Va.c.(Class B/Class C) Tabs			250Va.c./300Va.c.(Class B/Class C) Insulated flexible lead wire		
	D±1 (mm)	H±2 (mm)	Ordering Information	D±1 (mm)	H±2 (mm)	Ordering Information
2.5	25	43	HCBB60/E2255J12B**0	25	38	HCBB60/E2255J11B6*0
3.0	25	43	HCBB60/E2305J12B**0	25	38	HCBB60/E2305J11B6*0
4.0	25	43	HCBB60/E2405J12B**0	25	38	HCBB60/E2405J11B6*0
5.0	25	53	HCBB60/E2505J16B**0	25	48	HCBB60/E2505J13B6*0
5.5	25	53	HCBB60/E2555J16B**0	25	48	HCBB60/E2555J13B6*0
6.0	25	53	HCBB60/E2605J16B**0	25	48	HCBB60/E2605J13B6*0
6.5	25	53	HCBB60/E2655J16B**0	25	48	HCBB60/E2655J13B6*0
7.0	25	53	HCBB60/E2705J16B**0	25	48	HCBB60/E2705J13B6*0
7.5	25	53	HCBB60/E2755J16B**0	25	48	HCBB60/E2755J13B6*0
8.0	28	53	HCBB60/E2805J26B**0	28	48	HCBB60/E2805J23B6*0
10	28	53	HCBB60/E2106J26B**0	28	48	HCBB60/E2106J23B6*0
14	32	57	HCBB60/E2146J49B**0	32	53	HCBB60/E2146J46B6*0
16	35	70	HCBB60/E2166J5DB**0	35	62	HCBB60/E2166J5BB6*0
18	35	70	HCBB60/E2186J5DB**0	35	62	HCBB60/E2186J5BB6*0
20	35	70	HCBB60/E2206J5DB**0	35	62	HCBB60/E2206J5BB6*0
24	35	75	HCBB60/E2246J5EB**0	35	70	HCBB60/E2246J5DB6*0
25	35	75	HCBB60/E2256J5EB**0	35	70	HCBB60/E2256J5DB6*0
28	35	75	HCBB60/E2286J5EB**0	35	70	HCBB60/E2286J5DB6*0
30	40	70	HCBB60/E2306J6DB**0	41	65	HCBB60/E2306J7CB6*0
35	40	70	HCBB60/E2356J6DB**0	41	65	HCBB60/E2356J7CB6*0
40	41	80	HCBB60/E2406J7GB**0	41	76	HCBB60/E2406J7FB6*0
42	41	80	HCBB60/E2426J7GB**0	41	76	HCBB60/E2426J7FB6*0
45	41	80	HCBB60/E2456J7GB**0	41	76	HCBB60/E2456J7FB6*0
48	45	80	HCBB60/E2486J8GB**0	45	75	HCBB60/E2486J8EB6*0
50	45	80	HCBB60/E2506J8GB**0	45	75	HCBB60/E2506J8EB6*0
52	45	80	HCBB60/E2526J8GB**0	45	75	HCBB60/E2526J8EB6*0
55	45	80	HCBB60/E2556J8GB**0	45	75	HCBB60/E2556J8EB6*0
60	45	90	HCBB60/E2606J8JB**0	45	85	HCBB60/E2606J8HB6*0

Notes:1) “**0”= tabs terminal code. Various installations can be provided. Please choose the type according to table 2 and contact us for specific installation requirements;

2) “6*0”= lead wires code. Various installations can be provided. Please choose the type according to table 2 and contact us for specific installation requirements.

Outline Dimensions

C_N (μF)	250Va.c./300Va.c.(Class B/Class C) Tabs			250Va.c./300Va.c.(Class B/Class C) Insulated flexible lead wire		
	D±1 (mm)	H±2 (mm)	Ordering Information	D±1 (mm)	H±2 (mm)	Ordering Information
62	45	90	HCBB60/E2626J8JB**0	45	85	HCBB60/E2626J8HB6*0
65	45	90	HCBB60/E2656J8JB**0	45	85	HCBB60/E2656J8HB6*0
70	45	90	HCBB60/E2706J8JB**0	45	85	HCBB60/E2706J8HB6*0
72	50	90	HCBB60/E2726J9JB**0	50	85	HCBB60/E2726J9HB6*0
80	50	95	HCBB60/E2806J9KB**0	50	90	HCBB60/E2806J9JB6*0
90	50	95	HCBB60/E2906J9KB**0	50	90	HCBB60/E2906J9JB6*0
C_N (μF)	450Va.c. (Class C) Tabs			450Va.c. (Class C) Insulated flexible lead wire		
	D±1 (mm)	H±2 (mm)	Ordering Information	D±1 (mm)	H±2 (mm)	Ordering Information
2	25	43	HCBB60/S2205J12C**0	25	38	HCBB60/S2205J11C6*0
2.5	25	43	HCBB60/S2255J12C**0	25	38	HCBB60/S2255J11C6*0
3	25	53	HCBB60/S2305J16C**0	25	48	HCBB60/S2305J13C6*0
3.5	28	58	HCBB60/S2355J2AC**0	28	53	HCBB60/S2355J26C6*0
4	28	58	HCBB60/S2405J2AC**0	28	53	HCBB60/S2405J26C6*0
4.5	28	58	HCBB60/S2455J2AC**0	28	53	HCBB60/S2455J26C6*0
5.0	32	50	HCBB60/S2505J44C**0	32	50	HCBB60/S2505J44C6*0
5.5	32	50	HCBB60/S2555J44C**0	32	50	HCBB60/S2555J44C6*0
6	32	57	HCBB60/S2605J49C**0	32	53	HCBB60/S2605J46C6*0
6.5	32	57	HCBB60/S2655J49C**0	32	53	HCBB60/S2655J46C6*0
7	32	57	HCBB60/S2705J49C**0	32	53	HCBB60/S2705J46C6*0
8	32	57	HCBB60/S2805J49C**0	32	53	HCBB60/S2805J46C6*0
9	35	57	HCBB60/S2905J59C**0	32	53	HCBB60/S2905J46C6*0
10	35	57	HCBB60/S2106J59C**0	35	55	HCBB60/S2106J58C6*0
12	35	70	HCBB60/S2126J5DC**0	35	62	HCBB60/S2126J5BC6*0
12.5	35	70	HCBB60/S212EJ5DC**0	35	62	HCBB60/S212EJ5BC6*0
13	35	70	HCBB60/S2136J5DC**0	35	62	HCBB60/S2136J5BC6*0
14	35	70	HCBB60/S2146J5DC**0	35	62	HCBB60/S2146J5BC6*0
15	40	70	HCBB60/S2156J6DC**0	41	65	HCBB60/S2156J7CC6*0

Notes:1) “**0”= tabs terminal code. Various installations can be provided. Please choose the type according to table 2 and contact us for specific installation requirements;

2) “6*0”= lead wires code. Various installations can be provided. Please choose the type according to table 2 and contact us for specific installation requirements.

Outline Dimensions

C_N (μF)	450Va.c. (Class C) Tabs			450Va.c. (Class C) Insulated flexible lead wire		
	D±1 (mm)	H±2 (mm)	Ordering Information	D±1 (mm)	H±2 (mm)	Ordering Information
16	40	70	HCBB60/S2166J6DC**0	41	65	HCBB60/S2166J7CC6*0
17	40	70	HCBB60/S2176J6DC**0	41	65	HCBB60/S2176J7CC6*0
18	40	70	HCBB60/S2186J6DC**0	41	65	HCBB60/S2186J7CC6*0
20	41	76	HCBB60/S2206J7FC**0	40	70	HCBB60/S2206J6DC6*0
25	45	80	HCBB60/S2256J8GC**0	45	75	HCBB60/S2256J8EC6*0
30	45	80	HCBB60/S2306J8GC**0	45	75	HCBB60/S2306J8EC6*0
35	45	90	HCBB60/S2356J8JC**0	45	85	HCBB60/S2356J8HC6*0
40	50	100	HCBB60/S2406J9LC**0	50	95	HCBB60/S2406J9KC6*0
45	50	100	HCBB60/S2456J9LC**0	50	95	HCBB60/S2456J9KC6*0
50	50	100	HCBB60/S2506J9LC**0	50	95	HCBB60/S2506J9KC6*0
55	55	90	HCBB60/S2556JAJC**0	55	85	HCBB60/S2556JAHC6*0
60	55	100	HCBB60/S2605JALC**0	55	95	HCBB60/S2605JAKC6*0
C_N (μF)	450Va.c.(Calss B) Tabs			450Va.c.(Calss B) Insulated flexible lead wire		
	D±1 (mm)	H±2 (mm)	Ordering Information	D±1 (mm)	H±2 (mm)	Ordering Information
2.0	25	43	HCBB60/S2205J12B**0	25	38	HCBB60/S2205J11B6*0
2.5	25	43	HCBB60/S2255J12B**0	25	38	HCBB60/S2255J11B6*0
3.0	25	53	HCBB60/S2305J16B**0	25	48	HCBB60/S2305J13B6*0
3.5	28	58	HCBB60/S2355J2AB**0	28	53	HCBB60/S2355J26B6*0
4.0	28	58	HCBB60/S2405J2AB**0	28	53	HCBB60/S2405J26B6*0
4.5	28	58	HCBB60/S2455J2AB**0	28	53	HCBB60/S2455J26B6*0
5.0	32	50	HCBB60/S2505J44B**0	32	50	HCBB60/S2505J44B6*0
5.5	32	57	HCBB60/S2555J49B**0	32	53	HCBB60/S2555J46B6*0
6.0	32	57	HCBB60/S2605J49B**0	32	53	HCBB60/S2605J46B6*0
6.5	32	57	HCBB60/S2655J49B**0	32	53	HCBB60/S2655J46B6*0
7.0	32	57	HCBB60/S2705J49B**0	32	53	HCBB60/S2705J46B6*0
8.0	35	57	HCBB60/S2805J59B**0	35	55	HCBB60/S2805J58B6*0
9.0	35	57	HCBB60/S2905J59B**0	35	55	HCBB60/S2905J58B6*0

Notes:1) “**0”= tabs terminal code. Various installations can be provided. Please choose the type according to table 2 and contact us for specific installation requirements;

2) “6*0”= lead wires code. Various installations can be provided. Please choose the type according to table 2 and contact us for specific installation requirements.

Outline Dimensions

C_N (μF)	450Va.c.(Calss B) Tabs			450Va.c.(Calss B) Insulated flexible lead wire		
	D±1 (mm)	H±2 (mm)	Ordering Information	D±1 (mm)	H±2 (mm)	Ordering Information
10	35	57	HCBB60/S2106J59B**0	35	55	HCBB60/S2106J58B6*0
12	35	70	HCBB60/S2126J5DB**0	35	62	HCBB60/S2126J5BB6*0
12.5	35	70	HCBB60/S212EJ5DB**0	35	62	HCBB60/S212EJ5BB6*0
13	40	70	HCBB60/S2136J6DB**0	41	65	HCBB60/S2136J7CB6*0
14	40	70	HCBB60/S2146J6DB**0	41	65	HCBB60/S2146J7CB6*0
15	40	70	HCBB60/S2156J6DB**0	41	65	HCBB60/S2156J7CB6*0
16	40	70	HCBB60/S2166J6DB**0	41	65	HCBB60/S2166J7CB6*0
17	40	70	HCBB60/S2176J6DB**0	41	65	HCBB60/S2176J7CB6*0
18	41	76	HCBB60/S2186J7FB**0	40	70	HCBB60/S2186J6DB6*0
20	41	76	HCBB60/S2206J7FB**0	40	70	HCBB60/S2206J6DB6*0
25	45	80	HCBB60/S2256J8GB**0	45	75	HCBB60/S2256J8EB6*0
30	45	90	HCBB60/S2306J8JB**0	45	85	HCBB60/S2306J8HB6*0
35	45	90	HCBB60/S2356J8JB**0	45	85	HCBB60/S2356J8HB6*0
40	50	100	HCBB60/S2406J9LB**0	50	95	HCBB60/S2406J9KB6*0
45	50	100	HCBB60/S2456J9LB**0	50	95	HCBB60/S2456J9KB6*0
50	50	100	HCBB60/S2506J9LB**0	50	95	HCBB60/S2506J9KB6*0
55	55	100	HCBB60/S2556JALB**0	55	95	HCBB60/S2556JAKB6*0
60	55	100	HCBB60/S2606JALB**0	55	95	HCBB60/S2606JAKB6*0
C_N (μF)	500Va.c.(Calss C) Tabs			500Va.c.(Calss C) Insulated flexible lead wire		
	D±1 (mm)	H±2 (mm)	Ordering Information	D±1 (mm)	H±2 (mm)	Ordering Information
1.5	25	43	HCBB60/H2155J12C**0	25	38	HCBB60/H2155J11C6*0
2.0	25	43	HCBB60/H2205J12C**0	25	38	HCBB60/H2205J11C6*0
2.5	30	43	HCBB60/H2255J32C**0	30	38	HCBB60/H2255J31C6*0
3.0	30	43	HCBB60/H2305J32C**0	30	38	HCBB60/H2305J31C6*0
3.5	30	43	HCBB60/H2355J32C**0	30	38	HCBB60/H2355J31C6*0
4.0	30	55	HCBB60/H2405J38C**0	30	48	HCBB60/H2405J33C6*0
4.5	30	55	HCBB60/H2455J38C**0	30	48	HCBB60/H2455J33C6*0

Notes:1) “**0”= tabs terminal code. Various installations can be provided. Please choose the type according to table 2 and contact us for specific installation requirements;

2) “6*0”= lead wires code. Various installations can be provided. Please choose the type according to table 2 and contact us for specific installation requirements.

Outline Dimensions

C_N (μF)	500Va.c.(Calss C) Tabs			500Va.c.(Calss C) Insulated flexible lead wire		
	D±1 (mm)	H±2 (mm)	Ordering Information	D±1 (mm)	H±2 (mm)	Ordering Information
5.0	30	57	HCBB60/H2505J39C**0	30	55	HCBB60/H2505J38C6*0
5.5	30	57	HCBB60/H2555J39C**0	30	55	HCBB60/H2555J38C6*0
6.0	35	57	HCBB60/H2605J59C**0	35	55	HCBB60/H2605J58C6*0
6.5	35	57	HCBB60/H2655J59C**0	35	55	HCBB60/H2655J58C6*0
7.0	35	57	HCBB60/H2705J59C**0	35	55	HCBB60/H2705J58C6*0
7.5	35	57	HCBB60/H2755J59C**0	35	55	HCBB60/H2755J58C6*0
8.0	35	57	HCBB60/H2805J59C**0	35	55	HCBB60/H2805J58C6*0
9.0	35	70	HCBB60/H2905J5DC**0	35	65	HCBB60/H2905J5CC6*0
10	35	70	HCBB60/H2106J5DC**0	35	65	HCBB60/H2106J5CC6*0
12	40	70	HCBB60/H2126J6DC**0	41	65	HCBB60/H2126J7CC6*0
12.5	40	70	HCBB60/H212EJ6DC**0	41	65	HCBB60/H212EJ7CC6*0
13	40	70	HCBB60/H2136J6DC**0	41	65	HCBB60/H2136J7CC6*0
14	40	70	HCBB60/H2146J6DC**0	41	65	HCBB60/H2146J7CC6*0
15	40	70	HCBB60/H2156J6DC**0	41	65	HCBB60/H2156J7CC6*0
16	45	72	HCBB60/H2166J8QC**0	45	72	HCBB60/H2166J8QC6*0
18	45	72	HCBB60/H2186J8QC**0	45	72	HCBB60/H2186J8QC6*0
20	45	90	HCBB60/H2206J8JC**0	45	85	HCBB60/H2206J8HC6*0
25	45	90	HCBB60/H2256J8JC**0	45	85	HCBB60/H2256J8HC6*0
30	50	90	HCBB60/H2306J9JC**0	50	85	HCBB60/H2306J9HC6*0
35	50	90	HCBB60/H2356J9JC**0	50	85	HCBB60/H2356J9HC6*0
40	50	100	HCBB60/H2406J9LC**0	50	95	HCBB60/H2406J9KC6*0
45	55	100	HCBB60/H2456JALC**0	55	95	HCBB60/H2456JAKC6*0
50	55	100	HCBB60/H2506JALC**0	55	95	HCBB60/H2506JAKC6*0
55	55	120	HCBB60/H2556JAPC**0	55	110	HCBB60/H2556JAMC6*0
60	55	120	HCBB60/H2606JAPC**0	55	110	HCBB60/H2606JAMC6*0

Notes:1) “**0”= tabs terminal code. Various installations can be provided. Please choose the type according to table 2 and contact us for specific installation requirements;

2) “6*0”= lead wires code. Various installations can be provided. Please choose the type according to table 2 and contact us for specific installation requirements.

Outline Dimensions

C_N (μF)	500Va.c.(Calss B) Tabs			500Va.c.(Calss B) Insulated flexible lead wire		
	D±1 (mm)	H±2 (mm)	Ordering Information	D±1 (mm)	H±2 (mm)	Ordering Information
1.5	25	43	HCBB60/H2155J12B**0	25	38	HCBB60/H2155J11B6*0
2.0	25	43	HCBB60/H2205J12B**0	25	38	HCBB60/H2205J11B6*0
2.5	30	43	HCBB60/H2255J32B**0	30	38	HCBB60/H2255J31B6*0
3.0	30	43	HCBB60/H2305J32B**0	30	38	HCBB60/H2305J31B6*0
3.5	30	43	HCBB60/H2355J32B**0	30	38	HCBB60/H2355J31B6*0
4.0	30	55	HCBB60/H2405J38B**0	30	48	HCBB60/H2405J33B6*0
4.5	30	55	HCBB60/H2455J38B**0	30	48	HCBB60/H2455J33B6*0
5.0	30	57	HCBB60/H2505J39B**0	30	55	HCBB60/H2505J38B6*0
5.5	35	57	HCBB60/H2555J59B**0	35	55	HCBB60/H2555J58B6*0
6.0	35	57	HCBB60/H2605J59B**0	35	55	HCBB60/H2605J58B6*0
6.5	35	57	HCBB60/H2655J59B**0	35	55	HCBB60/H2655J58B6*0
7.0	35	57	HCBB60/H2705J59B**0	35	55	HCBB60/H2705J58B6*0
7.5	35	70	HCBB60/H2755J5DB**0	35	65	HCBB60/H2755J5CB6*0
8.0	35	70	HCBB60/H2805J5DB**0	35	65	HCBB60/H2805J5CB6*0
9.0	35	70	HCBB60/H2905J5DB**0	35	65	HCBB60/H2905J5CB6*0
10	35	70	HCBB60/H2106J5DB**0	35	65	HCBB60/H2106J5CB6*0
12	40	70	HCBB60/H2126J6DB**0	41	65	HCBB60/H2126J7CB6*0
12.5	40	70	HCBB60/H212EJ6DB**0	41	65	HCBB60/H212EJ7CB6*0
13	40	70	HCBB60/H2136J6DB**0	41	65	HCBB60/H2136J7CB6*0
14	45	72	HCBB60/H2146J8QB**0	45	65	HCBB60/H2146J8CB6*0
15	45	72	HCBB60/H2156J8QB**0	45	65	HCBB60/H2156J8CB6*0
16	45	72	HCBB60/H2166J8QB**0	45	65	HCBB60/H2166J8CB6*0
18	45	72	HCBB60/H2186J8QB**0	45	65	HCBB60/H2186J8CB6*0
20	45	90	HCBB60/H2206J8JB**0	45	85	HCBB60/H2206J8HB6*0
25	45	90	HCBB60/H2256J8JB**0	45	85	HCBB60/H2256J8HB6*0
30	50	90	HCBB60/H2306J9JB**0	50	85	HCBB60/H2306J9HB6*0
35	50	90	HCBB60/H2356J9JB**0	50	85	HCBB60/H2356J9HB6*0
40	55	100	HCBB60/H2406JALB**0	55	95	HCBB60/H2406JAKB6*0
45	55	100	HCBB60/H2456JALB**0	55	95	HCBB60/H2456JAKB6*0

Notes:1) “**0”= tabs terminal code. Various installations can be provided. Please choose the type according to table 2 and contact us for specific installation requirements;

2) “6*0”= lead wires code. Various installations can be provided. Please choose the type according to table 2 and contact us for specific installation requirements.

Outline Dimensions

C_N (μF)	500Va.c.(Calss B) Tabs			500Va.c.(Calss B) Insulated flexible lead wire		
	D±1 (mm)	H±2 (mm)	Ordering Information	D±1 (mm)	H±2 (mm)	Ordering Information
50	55	100	HCBB60/H2506JALB**0	55	95	HCBB60/H2506JAKB6*0
55	55	120	HCBB60/H2556JAPB**0	55	110	HCBB60/H2556JAMB6*0
60	55	120	HCBB60/H2606JAPB**0	55	110	HCBB60/H2606JAMB6*0

Notes:1) “**0”= tabs terminal code. Various installations can be provided. Please choose the type according to table 2 and contact us for specific installation requirements;

2) “6*0”= lead wires code. Various installations can be provided. Please choose the type according to table 2 and contact us for specific installation requirements.

HCBB60S

Metallized polypropylene film AC motor capacitor
(S3 safety protection, cylindrical, plastic case)

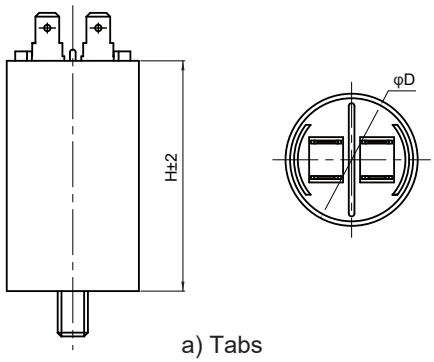
Features

- Widely applied to starting and running of AC single-phase motors at 50/60Hz frequency power
- Encapsulated in flame-resistant plastic case,sealed with epoxy resin
- Self-healing property
- Stable performance and high reliability
- Adopt isolation film design， meet with S3 safety protection

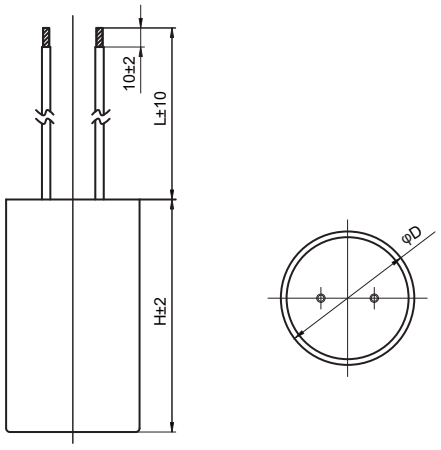
Safety Approvals

	CQC	GB/T 3667.1	1μF-60μF,±5%,250Va.c.-300Va.c. 40/70/21,40/85/21,B/C,S3,SH,50/60Hz File No.: CQC16006150760 1μF-60μF,±5%,450Va.c.-500Va.c. 40/70/21,40/85/21,B/C,S3,SH,50/60Hz File No.: CQC16006150762
	TUV	EN 60252-1	1μF-60μF,±5%,220Va.c.-500Va.c. 40/70/21, 40/85/21,B,S3,SH,50/60Hz File No.: R 50258744
	CE	2014/35/EU	1μF-60μF,±5%,220Va.c.-500Va.c. 40/70/21, 40/85/21,B,S3,SH,50/60Hz File No.: AN 50508680 0001
	UL	UL810	1μF-90μF,±5%,max 500Va.c. max 85℃,50/60Hz,“Protected”,10000AFC File No.: E481493,CCN:CYWT2

Outline Drawing



a) Tabs



b) Lead wires

Specifications

Reference standard		GB/T 3667.1 (IEC 60252-1)
Rated voltage		250Va.c.~500Va.c.(50Hz/60Hz)
Class of operation		Class B(10000h)
Capacitance range		1μF~60μF
Climatic category		40/70/21,40/85/21
Class of safety protection		S3
Operation temperature range		-40℃~70℃ / -40℃~85℃
Capacitance tolerance		±5%(J)
Voltage proof	Between terminals	$2U_{NAC}$(2s)
	Between terminals and case	2000Va.c. (60s)
Insulation resistance($IR \times C_N$)		≥3000s(20℃,100Vd.c.,60s)
Dissipation factor		≤0.0020(100Hz,20℃)
Max permissible voltage		$1.1U_N$
Max permissible current		$1.3I_N$

Ordering Information

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
H	C	B	B	6	0	S	/													(	×	×	×	)

Series code | **Safety Class** | **AC rated voltage** | **Rated capacitance value** | **Capacitance tolerance** | **Outline dimension code** | **Class of operation** | **Terminal code** | **Internal code**

- Safety Class: S3
- AC rated voltage: E2=250V; S2=450V; H2=500V
- Rated capacitance value: For example: 155=15×10^{5}pF =1.5μF
- Capacitance tolerance: J=±5%
- Outline dimension code: See table 1
- Class of operation: B-10000h
- Terminal code: See table 2
- Internal code: To identifiy when the special requirements needed

Table 1 Outline Dimensions Code

Digit 15		Digit 16			
Code	D(mm)	Code	H(mm)	Code	H(mm)
1	25	1	38	E	75
2	28	2	43	F	76
3	30	3	48	G	80
4	32	4	50	H	85
5	35	5	52	J	90
6	40	6	53	K	95
7	41	7	54	L	100
8	45	8	55	M	110
9	50	9	57	N	115
A	55	A	58	P	120
B	60	B	62	R	30
		C	65	S	40
		D	70	Q	72

Table 2 Terminal Code

Digit 18		Digit 19		Digit 20	
Code	Terminal form	Code	Fixed style	Code	Length tolerance
1	One AMP250# per side	0	No bottom-bolt	0	Standard lead wire:140mm±10mm or tabs
2	Two AMP250# per side	2	With bottom-bolt	L	Customized length and tolerance
6	Lead wires				

Outline Dimensions

C_N (μF)	250Va.c.(Class B) (Tabs)			250Va.c. (Class B) (Insulated flexible lead wires)		
	D±1 (mm)	H±2 (mm)	Ordering Information	D±1 (mm)	H±2 (mm)	Ordering Information
2.5	25	43	HCBB60S/E2255J12B**0	25	38	HCBB60S/E2255J11B6*0
3.0	25	43	HCBB60S/E2305J12B**0	25	38	HCBB60S/E2305J11B6*0
4.0	25	43	HCBB60S/E2405J12B**0	25	38	HCBB60S/E2405J11B6*0
5.0	25	54	HCBB60S/E2505J17B**0	25	48	HCBB60S/E2505J13B6*0
5.5	25	54	HCBB60S/E2555J17B**0	25	48	HCBB60S/E2555J13B6*0
6.0	25	54	HCBB60S/E2605J17B**0	25	48	HCBB60S/E2605J13B6*0
6.5	25	54	HCBB60S/E2655J17B**0	25	48	HCBB60S/E2655J13B6*0
7.0	28	53	HCBB60S/E2705J26B**0	28	48	HCBB60S/E2705J23B6*0
7.5	28	53	HCBB60S/E2755J26B**0	28	48	HCBB60S/E2755J23B6*0
8.0	28	53	HCBB60S/E2805J26B**0	28	48	HCBB60S/E2805J23B6*0
8.5	28	53	HCBB60S/E2855J26B**0	28	48	HCBB60S/E2855J23B6*0
9.0	28	53	HCBB60S/E2905J26B**0	28	48	HCBB60S/E2905J23B6*0
10	32	57	HCBB60S/E2106J49B**0	32	50	HCBB60S/E2106J44B6*0
12	32	57	HCBB60S/E2126J49B**0	32	50	HCBB60S/E2126J44B6*0
14	32	57	HCBB60S/E2146J49B**0	32	50	HCBB60S/E2146J44B6*0
15	32	57	HCBB60S/E2156J49B**0	32	50	HCBB60S/E2156J44B6*0
16	35	70	HCBB60S/E2166J5DB**0	35	62	HCBB60S/E2166J5BB6*0
18	35	70	HCBB60S/E2186J5DB**0	35	62	HCBB60S/E2186J5BB6*0
20	35	70	HCBB60S/E2206J5DB**0	35	62	HCBB60S/E2206J5BB6*0
24	35	75	HCBB60S/E2246J5EB**0	35	70	HCBB60S/E2246J5DB6*0
25	35	75	HCBB60S/E2256J5EB**0	35	70	HCBB60S/E2256J5DB6*0
28	40	70	HCBB60S/E2286J6DB**0	41	65	HCBB60S/E2286J7CB6*0
30	40	70	HCBB60S/E2306J6DB**0	41	65	HCBB60S/E2306J7CB6*0
35	41	80	HCBB60S/E2356J7GB**0	41	76	HCBB60S/E2356J7FB6*0
40	41	80	HCBB60S/E2406J7GB**0	41	76	HCBB60S/E2406J7FB6*0
42	41	80	HCBB60S/E2426J7GB**0	41	76	HCBB60S/E2426J7FB6*0
45	45	80	HCBB60S/E2456J8GB**0	45	75	HCBB60S/E2456J8EB6*0
48	45	80	HCBB60S/E2486J8GB**0	45	75	HCBB60S/E2486J8EB6*0

Notes:1) "**0"= tabs terminal code.Various installations can be provided. Please choose the type according to table 2 and contact us for specific installation requirements;

2) "6*0"= lead wires code. Various installations can be provided. Please choose the type according to table 2 and contact us for specific installation requirements.

Outline Dimensions

C_N (μF)	250Va.c.(Class B) (Tabs)			250Va.c. (Class B) (Insulated flexible lead wires)		
	D±1 (mm)	H±2 (mm)	Ordering Information	D±1 (mm)	H±2 (mm)	Ordering Information
48	45	80	HCBB60S/E2486J8GB**0	45	75	HCBB60S/E2486J8EB6*0
50	45	80	HCBB60S/E2506J8GB**0	45	75	HCBB60S/E2506J8EB6*0
52	45	80	HCBB60S/E2526J8GB**0	45	75	HCBB60S/E2526J8EB6*0
55	45	80	HCBB60S/E2556J8GB**0	45	75	HCBB60S/E2556J8EB6*0
60	45	90	HCBB60S/E2606J8JB**0	45	85	HCBB60S/E2606J8HB6*0
65	50	90	HCBB60S/E2656J9JB**0	50	85	HCBB60S/E2656J9HB6*0
70	50	90	HCBB60S/E2706J9JB**0	50	85	HCBB60S/E2706J9HB6*0
75	50	90	HCBB60S/E2756J9JB**0	50	85	HCBB60S/E2756J9HB6*0
80	50	95	HCBB60S/E2806J9KB**0	50	90	HCBB60S/E2806J9JB6*0
85	55	95	HCBB60S/E2856JAKB**0	55	95	HCBB60S/E2856JAKB6*0
90	55	95	HCBB60S/E2906JAKB**0	55	95	HCBB60S/E2906JAKB6*0
100	55	100	HCBB60S/E2107JALB**0	55	95	HCBB60S/E2107JAKB6*0

C_N (μF)	450Va.c. (Class B) (Tabs)			450Va.c. (Class B) (Insulated flexible lead wire)		
	D±1 (mm)	H±2 (mm)	Ordering Information	D±1 (mm)	H±2 (mm)	Ordering Information
1.5	25	43	HCBB60S/S2155J12B**0	25	38	HCBB60S/S2155J11B6*0
2.0	25	43	HCBB60S/S2205J12B**0	25	38	HCBB60S/S2205J11B6*0
2.25	25	53	HCBB60S/S22N4J16B**0	25	48	HCBB60S/S22N4J13B6*0
2.5	25	53	HCBB60S/S2255J16B**0	25	48	HCBB60S/S2255J13B6*0
3.0	28	58	HCBB60S/S2305J2AB**0	28	43	HCBB60S/S2305J22B6*0
3.5	28	58	HCBB60S/S2355J2AB**0	28	53	HCBB60S/S2355J26B6*0
4.0	28	58	HCBB60S/S2405J2AB**0	28	53	HCBB60S/S2405J26B6*0
4.5	28	58	HCBB60S/S2455J2AB**0	28	53	HCBB60S/S2455J26B6*0
5.0	32	50	HCBB60S/S2505J44B**0	32	53	HCBB60S/S2505J46B6*0
5.5	32	57	HCBB60S/S2555J49B**0	32	53	HCBB60S/S2555J46B6*0

Notes:1) “**0”= tabs terminal code.Various installations can be provided. Please choose the type according to table 2 and contact us for specific installation requirements;

2) “6*0”= lead wires code.Various installations can be provided. Please choose the type according to table 2 and contact us for specific installation requirements.

Outline Dimensions

C_N (μF)	450Va.c. (Class B) (Tabs)			450Va.c. (Class B) (Insulated flexible lead wire)		
	D±1 (mm)	H±2 (mm)	Ordering Information	D±1 (mm)	H±2 (mm)	Ordering Information
6.0	32	57	HCBB60S/S2605J49B**0	32	53	HCBB60S/S2605J46B6*0
6.5	32	57	HCBB60S/S2655J49B**0	32	53	HCBB60S/S2655J46B6*0
7.0	32	57	HCBB60S/S2705J49B**0	32	53	HCBB60S/S2705J46B6*0
8.0	35	57	HCBB60S/S2805J59B**0	35	55	HCBB60S/S2805J58B6*0
9.0	35	57	HCBB60S/S2905J59B**0	35	55	HCBB60S/S2905J58B6*0
10	35	70	HCBB60S/S2106J5DB**0	35	62	HCBB60S/S2106J5BB6*0
12	35	75	HCBB60S/S2126J5EB**0	35	70	HCBB60S/S2126J5DB6*0
12.5	35	75	HCBB60S/S212EJ5EB**0	35	70	HCBB60S/S212E6J5DB6*0
13	35	75	HCBB60S/S2136J5EB**0	35	70	HCBB60S/S2136J5DB6*0
14	35	75	HCBB60S/S2146J5EB**0	35	70	HCBB60S/S2146J5DB6*0
15	40	70	HCBB60S/S2156J6DB**0	41	65	HCBB60S/S2156J7CB6*0
16	40	70	HCBB60S/S2166J6DB**0	41	65	HCBB60S/S2166J7CB6*0
18	41	76	HCBB60S/S2186J7FB**0	41	76	HCBB60S/S2186J7FB6*0
20	41	76	HCBB60S/S2206J7FB**0	41	76	HCBB60S/S2206J7FB6*0
25	45	80	HCBB60S/S2256J8GB**0	45	70	HCBB60S/S2256J8DB6*0
30	45	90	HCBB60S/S2306J8JB**0	45	85	HCBB60S/S2306J8HB6*0
35	45	95	HCBB60S/S2356J8KB**0	45	90	HCBB60S/S2356J8JB6*0
40	50	100	HCBB60S/S2406J9LB**0	50	95	HCBB60S/S2406J9KB6*0
45	50	100	HCBB60S/S2456J9LB**0	50	95	HCBB60S/S2456J9KB6*0
50	55	100	HCBB60S/S2506JALB**0	55	95	HCBB60S/S2506JAKB6*0
55	55	100	HCBB60S/S2556JALB**0	55	95	HCBB60S/S2556JAKB6*0
60	55	110	HCBB60S/S2606JAMB**0	55	100	HCBB60S/S2606JALB6*0

Notes:1) “**0”= tabs terminal code.Various installations can be provided. Please choose the type according to table 2 and contact us for specific installation requirements;

2) “6*0”= lead wires code.Various installations can be provided. Please choose the type according to table 2 and contact us for specific installation requirements.

Outline Dimensions

C_N (μF)	500Va.c. (Class B) (Tabs)			500Va.c. (Class B) (Insulated flexible lead wire)		
	D±1 (mm)	H±2 (mm)	Ordering Information	D±1 (mm)	H±2 (mm)	Ordering Information
1.5	25	43	HCBB60S/H2155J12B**0	25	38	HCBB60S/H2155J11B6*0
2.0	25	48	HCBB60S/H2205J13B**0	25	43	HCBB60S/H2205J12B6*0
2.5	30	48	HCBB60S/H2255J33B**0	30	48	HCBB60S/H2255J33B6*0
3.0	30	48	HCBB60S/H2305J33B**0	30	48	HCBB60S/H2305J33B6*0
3.5	30	55	HCBB60S/H2355J38B**0	30	48	HCBB60S/H2355J33B6*0
4.0	30	55	HCBB60S/H2405J38B**0	30	48	HCBB60S/H2405J33B6*0
4.5	32	57	HCBB60S/H2455J49B**0	32	50	HCBB60S/H2455J44B6*0
5.0	32	57	HCBB60S/H2505J49B**0	32	50	HCBB60S/H2505J44B6*0
5.5	35	57	HCBB60S/H2555J59B**0	35	55	HCBB60S/H2555J58B6*0
6.0	35	57	HCBB60S/H2605J59B**0	35	55	HCBB60S/H2605J58B6*0
6.5	35	57	HCBB60S/H2655J59B**0	35	55	HCBB60S/H2655J58B6*0
7.0	35	57	HCBB60S/H2705J59B**0	35	55	HCBB60S/H2705J58B6*0
7.5	35	62	HCBB60S/H2755J5BB**0	35	55	HCBB60S/H2755J58B6*0
8.0	35	62	HCBB60S/H2805J5BB**0	35	55	HCBB60S/H2805J58B6*0
9.0	40	70	HCBB60S/H2905J6DB**0	41	65	HCBB60S/H2905J7CB6*0
10	40	70	HCBB60S/H2106J6DB**0	41	65	HCBB60S/H2106J7CB6*0
12	40	70	HCBB60S/H2126J6DB**0	41	65	HCBB60S/H2126J7CB6*0
12.5	45	72	HCBB60S/H212EJ8QB**0	45	72	HCBB60S/H212EJ8QB6*0
13	45	72	HCBB60S/H2136J8QB**0	45	72	HCBB60S/H2136J8QB6*0
14	45	72	HCBB60S/H2146J8QB**0	45	72	HCBB60S/H2146J8QB6*0
15	45	72	HCBB60S/H2156J8QB**0	45	72	HCBB60S/H2156J8QB6*0
16	45	72	HCBB60S/H2166J8QB**0	45	72	HCBB60S/H2166J8QB6*0
18	45	85	HCBB60S/H2186J8HB**0	45	80	HCBB60S/H2186J8GB6*0
20	45	85	HCBB60S/H2206J8HB**0	45	80	HCBB60S/H2206J8GB6*0
25	50	85	HCBB60S/H2256J9HB**0	50	85	HCBB60S/H2256J9HB6*0
30	50	95	HCBB60S/H2306J9KB**0	50	85	HCBB60S/H2306J9HB6*0
35	50	100	HCBB60S/H2356J9LB**0	50	95	HCBB60S/H2356J9KB6*0
40	55	100	HCBB60S/H2406JALB**0	55	95	HCBB60S/H2406JAKB6*0
45	55	110	HCBB60S/H2456JAMB**0	55	100	HCBB60S/H2456JALB6*0
50	55	120	HCBB60S/H2506JAPB**0	55	110	HCBB60S/H2506JAMB6*0
55	60	120	HCBB60S/H2556JBPB**0	60	115	HCBB60S/H2556JBNB6*0
60	60	120	HCBB60S/H2606JBPB**0	60	115	HCBB60S/H2606JBNB6*0

Notes:1) "**0"= tabs terminal code. Various installations can be provided. Please choose the type according to table 2 and contact us for specific installation requirements;

2) "6*0"= lead wires code.Various installations can be provided. Please choose the type according to table 2 and contact us for specific installation requirements.

HCBB65

Metallized polypropylene film AC motor capacitor
(Cylindrical, aluminum case, anti-explosion)

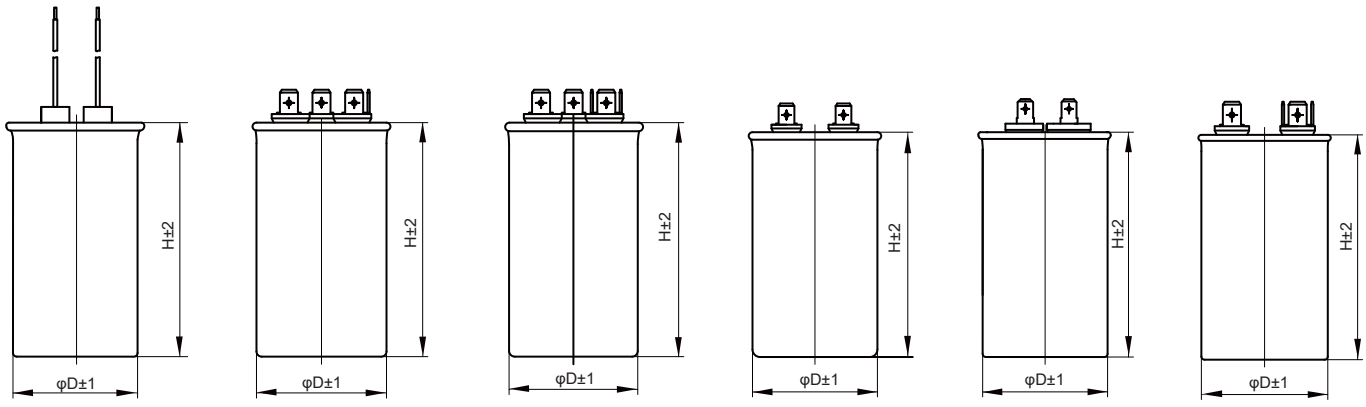
Features

- Widely applied to starting and running of AC single -phase motors at 50Hz/60Hz frequency power
- Self-healing property
- Excellent stable performance and reliability
- Explosion-proof design and more safety
- long lifetime

Safety Approvals

CQC	CQC	GB/T 3667.1	(x+y)μF, x=1μF-85μF,y=0μF-15μF,±5%,450Va.c. 40/70/21,40/85/21,B,S2,SH,50/60Hz File No.: CQC15006131261 (x+y)μF, x=1μF-85μF,y=0μF-15μF,±5%,250Va.c.-300Va.c. 40/70/21,40/85/21,B,S2,SH,50/60Hz File No.: CQC16006150526 1μF-30μF,±5%,400Va.c.-450Va.c. inductor:0-50μH,resistor:0-200Ω 40/70/21,40/85/21,B/C,S2,SH,50/60Hz File No.: CQC17002174922 (x+y)μF, x=1μF-60μF,450Va.c.; y=1μF-15μF,560Va.c. 40/70/21,40/85/21,B/C,S2,SH,50/60Hz File No.: CQC17002174948
VDE	VDE	EN 60252-1	1μF-80μF,±5%,250Va.c.-450Va.c. 25/70/21,25/85/21,40/70/21,40/85/21,B,S2,SH,50/60Hz File No.: 40044475
TUV	TUV	EN 60252-1	1μF-85μF;(x+y)μF, x=1μF-85μF,y=1μF-15μF,1.5μF,2.5μF,±5%,400Va.c.-450Va.c. 40/70/21,40/85/21,B/C,S2,SH,50/60Hz File No.: R 50314716 1μF-85μF;(x+y)μF, x=1μF-85μF,y=1μF-15μF,1.5μF,2.5μF,±5%,250Va.c.-300Va.c. 40/70/21,40/85/21,B/C,S2,SH,50/60Hz File No.: R 50355632
c UL us	UL/CUL	UL810 CSA C22.2 N0.190	max 450Va.c. max 100℃,50/60Hz,“Protected”,10000AFC File No.: E481493,CCN:CYWT2/8

Outline Drawing

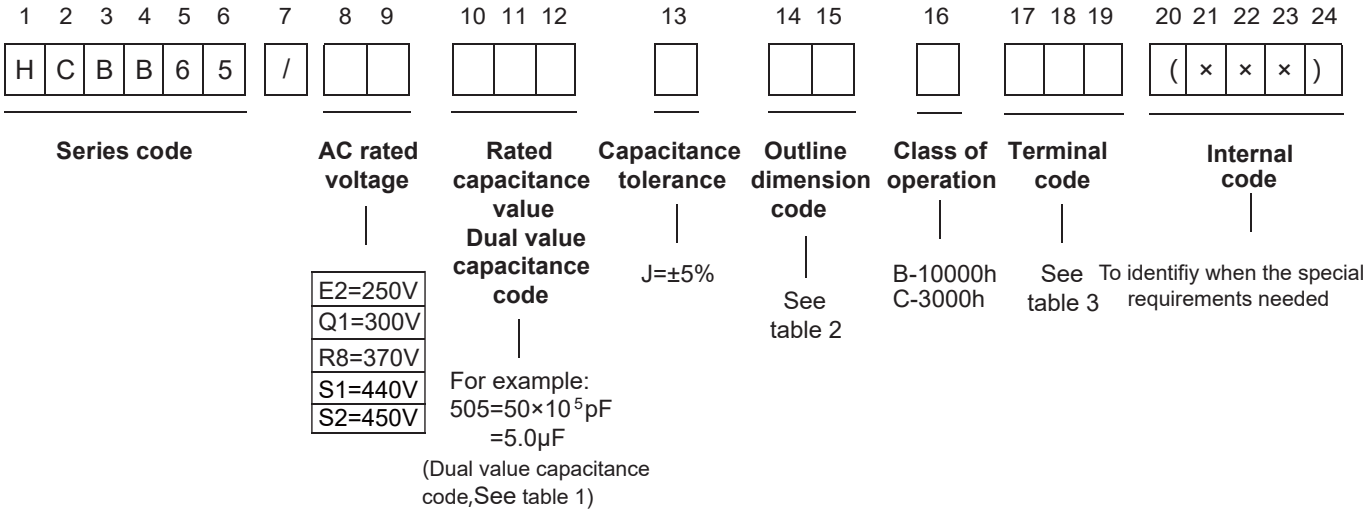


d) Lead wires | e) AMP250#(1+2+LG3) | f) AMP250#(1+2+LG4) | a) AMP250#(1+1) | b) AMP250#(2+2) | c)AMP250#(2+LG4)

Specifications

Reference standard		GB/T 3667.1 (IEC 60252-1)
Rated voltage		250Va.c.~450Va.c. (50Hz/60Hz)
Class of operation		Class B(10000h),Class C(3000h)
Capacitance range		1μF~85μF ,1+0μF~85μF+15μF
Climatic category		40/70/21,40/80/21,40/85/21
Class of safety protection		S2
Operation temperature range		-40℃~85℃
Capacitance tolerance		±5%(J)
Voltage proof	Between terminals	$2U_{NAC}$(2s)
	Between terminals and case	2000Va.c. (60s)
Insulation resistance($IR \times C_N$)		≥3000s(20℃,100V,60s)
Dissipation factor		≤0.0020(100Hz,20℃)
Max permissible voltage		$1.1U_N$
Max permissible current		$1.3I_N$

Ordering Information



Note: 1) "***" means the lead-out code of the socket. We can provide a variety of installation methods. Please select according to Table 3 and contact us for specific installation requirements;
2) The 16th place is the product operation level.Class B means running for 10000h continuously;Class C means running for 3000 hours in a row.

Table 1 Dual value capacitance code

Code	C_N(μF)	Code	C_N(μF)	Code	C_N(μF)
1	1	C	3.5	P	35
2	2	D	5.5	Q	40
3	3	E	7.5	R	45
4	4	F	10	S	50
5	5	G	11	T	55
6	6	H	12	U	60
7	7	J	15	V	65
8	8	K	17	W	70
9	9	L	20	X	75
A	1.5	M	25	Y	80
B	2.5	N	30	Z	85
Note: CF1=10μF+1μF capacitor, C = dual value capacitance, F=10μF, 1=1μF.					

Table 2 Dimension code

Digit 14		Digit 15			
Code	D(mm)	Code	H(mm)	Code	H(mm)
1	30	1	50	F	90
2	35	2	55	G	100
3	40	3	57	H	102
4	45	4	60	J	105
5	50	5	65	K	110
6	55	6	67	L	120
7	60	7	70	M	125
8	63.5	8	71	N	130
		9	75	P	135
		A	77	Q	63.5
		B	78	R	91
		C	80	S	127
		D	81	T	95
		E	85	U	87

Table 3 Terminal code

Digit 17		Digit 18		Digit 19	
Code	Terminal form	Code	Fixed style	Code	other
1	AMP250#(1+1)	0	No Bottom-bolt, No bracket	0	No inductance
2	AMP250#(2+2)	1	No Bottom-bolt, With bracket	1	With inductance
3	AMP250#(2+LG4)	2	With Bottom-bolt, No bracket		
6	Lead wires	3	With Bottom-bolt, With bracket		
8	AMP250#(1+2+LG3)				
9	AMP250#(1+2+LG4)				

Note:(1+1)=2 electrodes,each electrode has one AMP250# tab;
(2+2)=2 electrodes,each electrode has two AMP250# tabs;
(2+LG4)=2 electrodes,2 AMP250# on one electrode and 4 AMP250# with large distance on the other electrode;
(1+2+LG3)=3 electrodes,the corresponding number of AMP250# is 1, 2 and 3;
(1+2+LG4)=3 electrodes,the corresponding number of AMP250# is 1, 2 and 4.

Outline Dimensions

250Va.c.							
C_N (μF)	D (mm)	H (mm)	Ordering Information	C_N (μF)	D (mm)	H (mm)	Ordering Information
2.0	30	50	HCBB65/E2205J11B**0	14.0	40	55	HCBB65/E2146J32B**0
2.5	30	50	HCBB65/E2255J11B**0	15.0	40	55	HCBB65/E2156J32B**0
3.0	30	50	HCBB65/E2305J11B**0	16.0	40	55	HCBB65/E2166J32B**0
4.0	30	50	HCBB65/E2405J11B**0	18.0	40	65	HCBB65/E2186J35B**0
5.0	30	50	HCBB65/E2505J11B**0	20.0	40	65	HCBB65/E2206J35B**0
5.5	30	50	HCBB65/E2555J11B**0	25.0	40	65	HCBB65/E2256J35B**0
6.0	30	50	HCBB65/E2605J11B**0	30.0	45	65	HCBB65/E2306J45B**0
6.5	30	55	HCBB65/E2655J12B**0	35.0	45	65	HCBB65/E2356J45B**0
7.0	30	55	HCBB65/E2705J12B**0	40.0	45	75	HCBB65/E2406J49B**0
7.5	30	55	HCBB65/E2755J12B**0	45.0	45	85	HCBB65/E2456J4EB**0
8.0	35	55	HCBB65/E2805J22B**0	50.0	45	85	HCBB65/E2506J4EB**0
8.5	35	55	HCBB65/E2855J22B**0	50.0	50	75	HCBB65/E2506J59B**0
9.0	35	55	HCBB65/E2905J22B**0	55.0	50	75	HCBB65/E2556J59B**0
10.0	35	55	HCBB65/E2106J22B**0	60.0	50	85	HCBB65/E2606J5EB**0
11.0	35	55	HCBB65/E2116J22B**0	65.0	50	85	HCBB65/E2656J5EB**0
12.0	35	55	HCBB65/E2126J22B**0	70.0	50	90	HCBB65/E2706J5FB**0
13.0	40	55	HCBB65/E2136J32B**0	75.0	50	100	HCBB65/E2756J5GB**0
300Va.c.							
C_N (μF)	D (mm)	H (mm)	Ordering Information	C_N (μF)	D (mm)	H (mm)	Ordering Information
2.0	30	50	HCBB65/Q1205J11B**0	14.0	40	55	HCBB65/Q1146J32B**0
2.5	30	50	HCBB65/Q1255J11B**0	15.0	40	55	HCBB65/Q1156J32B**0
3.0	30	50	HCBB65/Q1305J11B**0	16.0	40	65	HCBB65/Q1166J35B**0
4.0	30	50	HCBB65/Q1405J11B**0	18.0	40	65	HCBB65/Q1186J35B**0
5.0	30	50	HCBB65/Q1505J11B**0	20.0	40	65	HCBB65/Q1206J35B**0
5.5	30	50	HCBB65/Q1555J11B**0	25.0	45	65	HCBB65/Q1256J45B**0
6.0	30	55	HCBB65/Q1605J12B**0	30.0	45	75	HCBB65/Q1306J49B**0
6.5	30	55	HCBB65/Q1655J12B**0	35.0	45	75	HCBB65/Q1356J49B**0
7.0	30	55	HCBB65/Q1705J12B**0	40.0	45	85	HCBB65/Q1406J4EB**0
7.5	35	55	HCBB65/Q1755J22B**0	45.0	45	90	HCBB65/Q1456J4FB**0

Notes:1) “**0”= terminal code and installation methods. Various installations can be provided. Please choose the type according to table 3 and contact us for specific installation requirements.

Outline Dimensions

300Va.c.							
C_N (μF)	D (mm)	H (mm)	Ordering Information	C_N (μF)	D (mm)	H (mm)	Ordering Information
8.0	35	55	HCBB65/Q1805J22B**0	50.0	50	85	HCBB65/Q1506J5EB**0
8.5	35	55	HCBB65/Q1855J22B**0	55.0	50	85	HCBB65/Q1556J5EB**0
9.0	35	55	HCBB65/Q1905J22B**0	60.0	50	90	HCBB65/Q1606J5FB**0
10.0	35	55	HCBB65/Q1106J22B**0	65.0	50	90	HCBB65/Q1656J5FB**0
11.0	40	55	HCBB65/Q1116J32B**0	70.0	50	100	HCBB65/Q1706J5GB**0
12.0	40	55	HCBB65/Q1126J32B**0	75.0	50	100	HCBB65/Q1756J5GB**0
13.0	40	55	HCBB65/Q1136J32B**0				
370Va.c.							
C_N (μF)	D (mm)	H (mm)	Ordering Information	C_N (μF)	D (mm)	H (mm)	Ordering Information
5.0	35	50	HCBB65/R8505J21B**0	18.0	45	65	HCBB65/R8186J45B**0
6.0	35	50	HCBB65/R8605J21B**0	20.0	45	65	HCBB65/R8206J45B**0
6.5	35	50	HCBB65/R8655J21B**0	25.0	45	75	HCBB65/R8256J49B**0
7.0	35	55	HCBB65/R8705J22B**0	30.0	45	75	HCBB65/R8306J49B**0
7.5	35	55	HCBB65/R8755J22B**0	35.0	45	85	HCBB65/R8356J4EB**0
8.0	35	55	HCBB65/R8805J22B**0	40.0	50	85	HCBB65/R8406J5EB**0
9.0	40	55	HCBB65/R8905J32B**0	45.0	50	85	HCBB65/R8456J5EB**0
10.0	40	55	HCBB65/R8106J32B**0	50.0	50	90	HCBB65/R8506J5FB**0
11.0	40	55	HCBB65/R8116J32B**0	55.0	50	100	HCBB65/R8556J5GB**0
12.0	40	55	HCBB65/R8126J32B**0	60.0	50	100	HCBB65/R8606J5GB**0
15.0	40	65	HCBB65/R8156J35B**0	65.0	55	100	HCBB65/R8656J6GB**0
16.0	40	65	HCBB65/R8166J35B**0	70.0	55	100	HCBB65/R8706J6GB**0
450Va.c.							
C_N (μF)	D (mm)	H (mm)	Ordering Information	C_N (μF)	D (mm)	H (mm)	Ordering Information
1.0	30	50	HCBB65/S2105J11B**0	11.0	40	71	HCBB65/S2116J38B**1
1.5	30	50	HCBB65/S2155J11B**0	12.0	40	71	HCBB65/S2126J38B**1
2.0	30	50	HCBB65/S2205J11B**0	13.0	40	81	HCBB65/S2136J3DB**1
2.5	30	50	HCBB65/S2255J11B**0	14.0	40	81	HCBB65/S2146J3DB**1
3.0	30	50	HCBB65/S2305J11B**0	15.0	40	81	HCBB65/S2156J3DB**1

Notes:1) “**0”= terminal code and installation methods. Various installations can be provided. Please choose the type according to table 3 and contact us for specific installation requirements.

Outline Dimensions

450Va.c.							
C_N (μF)	D (mm)	H (mm)	Ordering Information	C_N (μF)	D (mm)	H (mm)	Ordering Information
3.5	35	55	HCBB65/S2355J22B**0	16.0	45	65	HCBB65/S2166J45B**0
4.0	35	55	HCBB65/S2405J22B**0	17.0	45	75	HCBB65/S2176J49B**0
4.5	35	55	HCBB65/S2455J22B**0	20.0	45	85	HCBB65/S2206J4EB**0
5.0	35	55	HCBB65/S2505J22B**0	25.0	45	85	HCBB65/S2256J4EB**0
6.0	35	55	HCBB65/S2605J22B**0	30.0	50	85	HCBB65/S2306J5EB**0
6.5	40	55	HCBB65/S2655J32B**0	30.0	50	90	HCBB65/S2306J5FB**0
7.0	40	55	HCBB65/S2705J32B**0	35.0	50	100	HCBB65/S2356J5GB**0
7.5	40	55	HCBB65/S2755J32B**0	40.0	50	100	HCBB65/S2406J5GB**0
8.0	40	55	HCBB65/S2805J32B**0	40.0	50	110	HCBB65/S2406J5KB**0
9.0	40	55	HCBB65/S2905J32B**0	45.0	50	110	HCBB65/S2456J5KB**0
10.0	40	65	HCBB65/S2106J35B**0	40.0	50	125	HCBB65/S2406J5MB**0
11.0	40	65	HCBB65/S2116J35B**0	45.0	50	125	HCBB65/S2456J5MB**0
12.0	40	65	HCBB65/S2126J35B**0	50.0	50	125	HCBB65/S2506J5MB**0
12.5	40	65	HCBB65/S212EJ35B**0	40.0	55	100	HCBB65/S2406J6GB**0
13.0	45	65	HCBB65/S2136J45B**0	45.0	55	100	HCBB65/S2456J6GB**0
14.0	45	65	HCBB65/S2146J45B**0	55.0	55	125	HCBB65/S2556J6MB**0
15.0	45	65	HCBB65/S2156J45B**0	60.0	55	125	HCBB65/S2606J6MB**0
7.0	40	71	HCBB65/S2705J38B**1	65.0	55	125	HCBB65/S2656J6MB**0
8.0	40	71	HCBB65/S2805J38B**1	70.0	60	125	HCBB65/S2706J7MB**0
9.0	40	71	HCBB65/S2905J38B**1	75.0	60	125	HCBB65/S2756J7MB**0
10.0	40	71	HCBB65/S2106J38B**1	80.0	60	125	HCBB65/S2806J7MB**0
250Va.c.							
C_N (μF)	D (mm)	H (mm)	Ordering Information	C_N (μF)	D (mm)	H (mm)	Ordering Information
30+15	50	80	HCBB65/E2CNJJ5CB**0	45+6	50	90	HCBB65/E2CR6J5FB**0
35+6	50	80	HCBB65/E2CP6J5CB**0	45+10	50	90	HCBB65/E2CRFJ5FB**0
35+8	50	80	HCBB65/E2CP8J5CB**0	45+15	50	90	HCBB65/E2CRJJ5FB**0
35+10	50	80	HCBB65/E2CPFJ5CB**0	50+15	50	90	HCBB65/E2CSJJ5FB**0
35+12	50	80	HCBB65/E2CPHJ5CB**0	55+6	50	90	HCBB65/E2CT6J5FB**0
35+15	50	80	HCBB65/E2CPJJ5CB**0	55+15	50	105	HCBB65/E2CTJJ5JB**0

Notes:1) "**0"= terminal code and installation methods. Various installations can be provided. Please choose the type according to table 3 and contact us for specific installation requirements.

Outline Dimensions

450Va.c.(S1=440Va.c.)							
C_N (μF)	D (mm)	H (mm)	Ordering Information	C_N (μF)	D (mm)	H (mm)	Ordering Information
10+4	50	65	HCBB65/S2CF4J55B**0	40+10	50	110	HCBB65/S2CQFJ5KB**0
10+5	50	65	HCBB65/S2CF5J55B**0	45+3	63.5	85	HCBB65/S2CR3J8EB**0
15+5	50	65	HCBB65/S2CJ5J55B**0	45+5	63.5	85	HCBB65/S2CR5J8EB**0
17+6	50	80	HCBB65/S2CK6J5CB**0	45+7.5	63.5	85	HCBB65/S2CREJ8EB**0
20+2.5	50	90	HCBB65/S2CLBJ5FB**0	45+8	55	110	HCBB65/S2CR8J6KB**0
20+5	50	75	HCBB65/S2CL5J59B**0	45+10	63.5	85	HCBB65/S2CRFJ8EB**0
25+3	50	85	HCBB65/S2CM3J5EB**0	50+4	50	125	HCBB65/S2CS4J5MB**0
25+5	50	85	HCBB65/S2CM5J5EB**0	50+5	63.5	85	HCBB65/S2CS5J8EB**0
25+7.5	50	85	HCBB65/S2CMEJ5EB**0	50+7.5	55	120	HCBB65/S2CSEJ6LB**0
25+10	50	100	HCBB65/S2CMFJ5GB**0	50+8.0	55	120	HCBB65/S2CS8J6LB**0
30+3	50	90	HCBB65/S2CN3J5FB**0	50+10	55	130	HCBB65/S2CSFJ6NB**0
30+4	50	105	HCBB65/S2CN4J5JB**0	55+5	63.5	100	HCBB65/S2CT5J8GB**0
30+5	60	85	HCBB65/S2CN5J7EB**0	55+7.5	63.5	100	HCBB65/S2CTEJ8GB**0
30+7.5	50	100	HCBB65/S2CNEJ5GB**0	55+10	63.5	100	HCBB65/S2CTFJ8GB**0
30+10	50	100	HCBB65/S2CNFJ5GB**0	60+5	55	130	HCBB65/S2CU5J6NB**0
35+2.5	50	105	HCBB65/S2CPBJ5JB**0	60+7.5	63.5	100	HCBB65/S2CUEJ8GB**0
35+3	50	105	HCBB65/S2CP3J5JB**0	60+10	55	130	HCBB65/S2CUFJ6NB**0
35+5	50	100	HCBB65/S2CP5J5GB**0	70+5	63.5	110	HCBB65/S2CW5J8KB**0
35+7.5	50	110	HCBB65/S2CPEJ5KB**0	70+7.5	63.5	110	HCBB65/S2CWEJ8KB**0
35+10	50	110	HCBB65/S2CPFJ5KB**0	70+10	63.5	110	HCBB65/S2CWFJ8KB**0
40+3	50	110	HCBB65/S2CQ3J5KB**0	75+5	63.5	110	HCBB65/S2CX5J8KB**0
40+5	50	110	HCBB65/S2CQ5J5KB**0	80+5	63.5	125	HCBB65/S2CY5J8MB**0
40+7.5	55	105	HCBB65/S2CQEJ6JB**0	80+7.5	63.5	125	HCBB65/S2CYEJ8MB**0
40+8	55	105	HCBB65/S2CQ8J6JB**0				

Notes:1) "**0"= terminal code and installation methods. Various installations can be provided. Please choose the type according to table 3 and contact us for specific installation requirements.

Technical Terms and Definitions

1. Rated capacitance C_N
Capacitance value for which the capacitor has been designed.

2. Tolerance on rated capacitance Ctol
The deviation of actual measured capacitance from rated capacitance, the value is following:Ctol=(C—C_N)/C_N*100%
C:Actual measured capacitance of a capacitor
CN: Rated capacitance of a capacitor
Tolerance on rated capacitance determines its application its priority values are ±5% (J), ±10% (K).

3. Rated voltage U_N
Rated a. c. voltage (U_N):
Maximum operating peak voltage of either polarity of a reversing type waveform for which the capacitor has been designed.
Rated d. c. voltage (U_N):
Maximum operating peak voltage of either polarity but of a non-reversing type waveform for which the capacitor has been designed.

4. Rms voltage Urms
Root mean square of maximum value of sinusoidal a.c. voltage in continuous operation.

5. Ripple voltage Ur
Peak-to-peak alternating component of the unidirectional voltage

6. Non–recurrent surge voltage Us
Peak voltage induced by a switching or any other disturbance of the system which is allowed for a limited number of times and for durations shorter than the basic period.

7. Insulation voltage Ui
R.M.S. value of the sine wave voltage designed for the insulation between terminals of capacitors to case or earth. If not specified, the R.M.S. value of the insulating voltage is equivalent to the rated voltage divided by $\sqrt{2}$.

8. Maximum current Imax
Maximum R.M.S. current for continuous operation.

9. Maximum peak current Î
Maximum peak current that can occur during continuous operation.The value is following:$\hat{I}=C_N\times(dv/dt)$

10. Maximum surge current Îs
Peak non-repetitive current induced by switching or any other disturbance of the system which is allowed for a limited number of times, for durations shorter than the basic period.

11. Rated frequency (of a capacitor) f_N
Frequency for which the capacitor has been designed.

12. Resonance frequency
Lowest frequency at which the impedance of the capacitor becomes minimum.
The value is following: $Fr=1/\left(2\pi\sqrt{LsC_N}\right)$

13. Tangent of the loss angle of a capacitor tgδ
Ratio between the equivalent series resistance and the capacitive reactance of the capacitor at specified sinusoidal alternating voltage and frequency.

14. Dielectric dissipation factor tgδ0
Constant dissipation factor of dielectric mate rial for all capacitors at the rated frequency. The typical loss factor of polypropylene Film is 2×10^{-4}

15. Equivalent series resistance of a capacitor ESR
Effective resistance which, if connected in series with an ideal capacitor of capacitance value equal to that of the capacitor in question, would have a power loss equals to active power dissipated in that capacitor under specified operating conditions.

16. Self–inductance Ls
Effective inductance which, if connected in series with an ideal capacitor of capacitance value equal to that of the capacitor in question, would have the resonance frequency equals to the resonance frequency in that capacitor.

17. Thermal resistance Rth
A heat property and a measurement of a temperature difference by which a capacitor resists a heat flow. it shows the temperature difference when a unit of heat energy flows through a capacitor in unit time. it has the units ℃/W or K/W.

18. Capacitor losses Pj
Active power dissipated in the capacitor. The value is following:
$Pj=Irms^2\times ESR$

19. Operating temperature Θo
Temperature of the hottest point on the case of the capacitor when in thermal equilibrium.

20. Maximum operating temperature Θmax
Highest temperature at which the capacitor may be energized.

21. Lowest operating temperature Θmin
Lowest temperature at which the capacitor may be energized.

22. Cooling–air temperature Θamb
Temperature of the cooling air measured at the hottest position in bank, under steady-state conditions, midway between two units. If one unit is involved ,it is the temperature measured at a point approximately 0.1m away from the capacitor container and two-thirds of the height from its base.

Technical Terms and Definitions

23. Container temperature rise △Θcase

Difference between the temperature of the hottest point of the container and the temperature of the cooling air.

24. Hotspot temperature Θhs

Temperature at the hottest spot inside the capacitor. The value is following:Θhs=Θamb+Pj×Rth

25. Climatic category

The climatic category which the capacitor belongs to is expressed with minimum, maximum operating temperature and damp heat severity,
For example, 40/85/56

26. Insulation resistance IR

The insulation resistance is the ratio between an applied DC voltage and the resulting leakage current. It is expressed in MΩ.
The insulation resistance is usually expressed with time constant(τ), the time constant in expressed in seconds with the following formula: $\tau=IR\times C_N$

27. Self-healing

It is only applicable to metallized film capacitor. Self-healing means the ability that the electrical properties of the capacitor are rapidly restored after a local breakdown of the dielectric.
The electrode of metallized film capacitor is the metal coating of the metalinzed film, which are vacuum-deposited directly onto the plastic film, have a thickness of only several tens nm. At weak point or impurities in the dielectric, a dielectric breakdown would occur. The energy released by the arc discharge in the break-down channel rapidly evaporate the thin matal coating in the vicinity of the channel. The insulated region thus resulting around the former faulty area will cause the capacitor to regain its full operation ability.

28. Failure rate

Failure rate indicates the failure probability of capacitors in unit time after a certain point, while the capacitor haven't failed before the certain point. The unit is FIT（1FIT=1/10^9hours）
For example, 10000 pcs of the capacitors work at given conditions for 10000 hrs and 10 pcs of capacitors failed,
So λ=10/(10000×l0000)=100FIT.

29. Expected lifetime of a capacitor

Expected Lifetime is a statistical value calculated on the basis of experience and on theoretical evaluations, it depends on the applied voltage and the hot spot temperature during operation. Generally speaking, for capacitors applied in different situation, the designed average service lifes are different. For example, capacitors used in DC- Link circuits will have a expected lifetime of probable 100000 hrs at rated voltage and 70℃ hot spot temperature.
A rough evaluation for the expected capacitor life-time can be indicated like this: 10% increase of the voltage, half long lifetime will lose. Also 10% increase of hotspot increase, half long lifetime will lose.

Application Notes

1. Caution items in using plastic film capacitors

1) The plastic film capacitor varies in the maximum applicable voltage depending on the applied voltage, current, frequency and operational environment.

2) Generally speaking, although flame retardant shell or flame retardation epoxy is used in the coating or encapsulating of plastic film capacitor, continuous high temperature of firing will break the coating layer or plastic case of the capacitor, and may lead to melting and firing of the capacitor element.

2. Caution items in storing plastic film capacitors

1) It shouldn't t be located in particular high temperature and high humidity.

2) Capacitors may not be stored in corrosive atmospheres, such as sulfides, acids, lye, salts, organic solvents or other corrosive substances.

3) When unchanging primal package, it shouldn't be stored more than 24 months (from the date marked on the capacitor's body or the label glued to the package)

Guide For Customer Ordering

Please provide following information as much as you can

1.Applications: such as transducer, welding machine, induction heating machine

2.Application situation: such as DC-Link, IGBT snubber, resonance, etc.

3.Rated capacitance and tolerance

4.Voltage: such as rated voltage , working voltage, ripple voltage, non-recurrent surge voltage, etc.

5.Current: such as maximum current, maximum peak current ,pulse current, etc.

6.Frequency: such as working frequency, pulse frequency, etc.

7.Working environment: such as environment temperature, humidity, cooling mode, etc.

8.Dimensions: such as diameter,height or length,width etc.

9.Terminal types: such as lug, tab etc.

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