

# HMMKP82

Double sided metallized polypropylene film capacitor (Box-type)



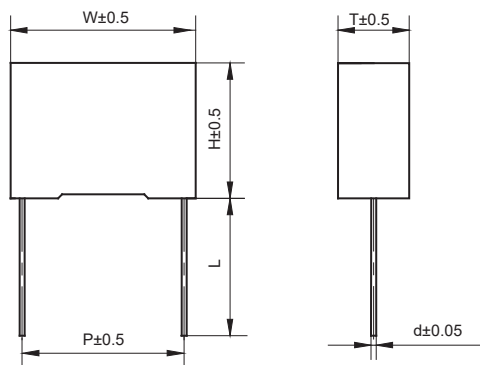
## Features

- 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°C~105°C +75°C~+105°C: decreasing factor 1.35% per °C for UR (a.c.) +85°C~+105°C: decreasing factor 1.25% per °C for UR (d.c.)					
Rated Temperature	85°C for UR(Vd.c.),75°C 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°C±5°C, 1kHz)					
Voltage Proof	1.6U <sub>R</sub> (5s)					
Dissipation Factor	≤0.0010 (1kHz,20°C)					
Insulation Resistance (IR×C <sub>N</sub> )	≥100000MΩ,C <sub>N</sub> ≤0.33μF ≥30000s,C <sub>N</sub> >0.33μF		(20°C,100Vd.c.,1min)			
Max. Pulse Rise Time: If the working voltage(U) is lower than the rate voltage (U <sub>R</sub> ), 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 <sub>R</sub> /U.	U <sub>R</sub> (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					(	x	x	x	)
<b>Series code</b>							<b>DC rated voltage</b>			<b>Rated capacitance value</b>			<b>Capacitance tolerance</b>		<b>Pitch</b>		<b>Internal code</b>		<b>lead form and packaging code</b>			<b>Internal code</b>		
							2E=250V 2G=400V 2J=630V 3A=1000V 3C=1600V 3D=2000V			For example: 334=33×10 <sup>4</sup> pF =0.33μF			J=±5% K=±10%		3=7.5mm 4=10mm 6=15mm 9=22.5mm B=27.5mm		See table 1 (specially designed part)		To identify 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		0	length tolerance $\pm 0.5$ mm or standard length
		35	lead length 3.5mm				

**Outline dimensions**

250Vd.c.(180Va.c.)													
C <sub>R</sub> ( $\mu$ F)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information	C <sub>R</sub> ( $\mu$ F)	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)<sup>"-"</sup>=capacitance tolerance code, J= $\pm 5\%$ , K= $\pm 10\%$ , M= $\pm 20\%$ ;  
 (2)<sup>"\*\*\*\*"</sup>=terminal code and packaging code (see table 1).

Outline dimensions

400Vd.c. (250Va.c.)													
C <sub>R</sub> (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information	C <sub>R</sub> (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.)													
C <sub>R</sub> (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information	C <sub>R</sub> (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.)													
C <sub>R</sub> (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information	C <sub>R</sub> (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 <sub>N</sub> (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information	C <sub>N</sub> (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 <sub>N</sub> (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information	C <sub>N</sub> (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 <sub>N</sub> (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information	C <sub>N</sub> (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 <sub>N</sub> (μF)	W (mm)	H (mm)	T (mm)	P (mm)	D (mm)	Ordering Information	C <sub>N</sub> (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).