HCY2

Metalized polypropylene film interference suppreission capacitor(Y2：300Va.c.)

Features

- Metallized polypropylene non-inductive structure
- Excellent overvoltage impact capacity and excellent self-healing
- High voltage resistance and high insulation
- Excellent flame retardant performance

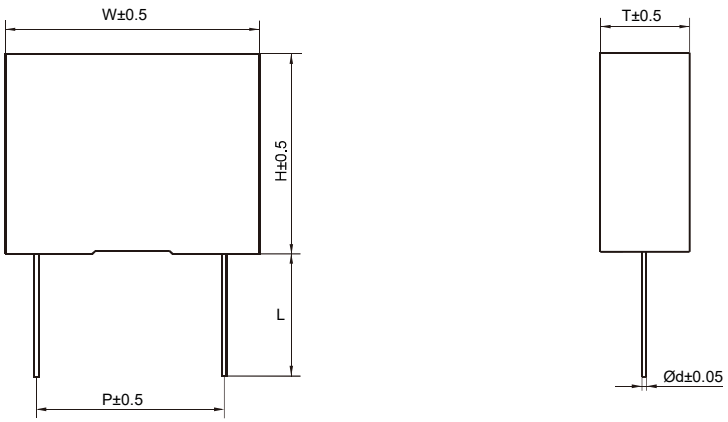
Typical Applications

- Widely used in power grounding, bypass and other anti-interference occasions

Safety Approvals

cqc	CQC	GB/T 6346.14	0.001μF-1.0μF; Y2; ±10%(K), ±20%(M); 300Va.c.; 40/110/56/B; File No.：CQC24001429840
ENEC	ENEC	EN 60384-14 EN 60384-14:A1	0.001μF-1.0μF; Y2; ±10%(K), ±20%(M); 300Va.c.; 40/110/56/B; File No.：ENEC-04611
c UL us	UL/CUL	UL 60384-14 CSAE60384-1 CSA E60384-14	0.001μF-1.0μF; Y2; ±10%(K), ±20%(M); 300Va.c.; 40/110/56/B; File No.：E311928

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 (IEC60384-14)		
Climatic category	40/110/56B		
Operating temperature range	-40℃~+110℃		
Rated voltage	Y2: 300Va.c.		
Capacitance range	0.001μF~1.0μF		
Capacitance tolerance	±10%(K), ±20%(M)(20℃,1kHz)		
Voltage proof	Between terminals: 4000Vd.c. (2s) CN≤0.33μF 3700Vd.c. (2s) CN > 0.33μF Between terminals & case: 2500Va.c.(1min)		
Insulation resistance (IR×CN)	R≥15000MΩ CN≤0.33μF RCN≥5000s CN>0.33μF	(20℃,100Vd.c,1min)	
Dissipation factor	0.001μF < CN≤0.47μF 0.47μF < CN≤1.0μF	≤0.0015(1kHz,20℃) ≤0.0020(1kHz,20℃)	≤0.0030(10kHz,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
H	C	Y	2	/	Q	1	2	2	4	K	9	M					(	×	×	×	)

Series code

AC rated voltage

Q1=300Va.c.

Rated capacitance value

For example:
224=22×10⁴pF
=0.22μF

Capacitance tolerance

K=±10%
M=±20%

Pitch

4=10mm
6=15mm
9=22.5mm
B=27.5mm
F=37.5mm

Internal code

M(string structur)

lead form and packaging code

See table 1

Special code

To identifiy when the special requirements needed

Table 1 Terminal Code

Digit 14		Digit 15		Digit 16		Digit 17	
Code	Note	Code	Note	Code	Note	Code	Note
A	Tape package	4	F=10.0	0	表示直脚	5	Between two consecutive holes P_3=25.4mm,H=18mm(Pitch=10.0/15.0)
		6	F=15.0				
C	Straight lead (Bulk package)	00	Standard lead length(18min)			0	Length tolerance±0.5mm or standard lead length
		35	Lead length3.5mm (1)				

Outline Dimensions

Y2: 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
0.001	13.0	9.0	4.0	10.0	0.6	HCY2/Q1102-4M****	0.0068	18.0	9.5	5.0	15.0	0.6	HCY2/Q1682-6M****
0.0012	13.0	9.0	4.0	10.0	0.6	HCY2/Q1122-4M****	0.0082	18.0	9.5	5.0	15.0	0.6	HCY2/Q1822-6M****
0.0015	13.0	9.0	4.0	10.0	0.6	HCY2/Q1152-4M****	0.01	18.0	11.0	5.0	15.0	0.6	HCY2/Q1103-6M****
0.0018	13.0	9.0	4.0	10.0	0.6	HCY2/Q1182-4M****	0.012	18.0	11.0	5.0	15.0	0.6	HCY2/Q1123-6M****
0.0022	13.0	9.0	4.0	10.0	0.6	HCY2/Q1222-4M****	0.015	18.0	11.0	5.0	15.0	0.6	HCY2/Q1153-6M****
0.0027	13.0	9.0	4.0	10.0	0.6	HCY2/Q1272-4M****	0.018	18.0	11.0	5.0	15.0	0.6	HCY2/Q1183-6M****
0.0033	13.0	9.0	4.0	10.0	0.6	HCY2/Q1332-4M****	0.022	18.0	12.0	6.0	15.0	0.6	HCY2/Q1223-6M****
0.0039	13.0	9.0	4.0	10.0	0.6	HCY2/Q1392-4M****	0.027	18.0	13.0	7.0	15.0	0.6	HCY2/Q1273-6M****
0.0047	13.0	11.0	5.0	10.0	0.6	HCY2/Q1472-4M****	0.033	18.0	13.5	7.5	15.0	0.8	HCY2/Q1333-6M****
0.0056	13.0	11.0	5.0	10.0	0.6	HCY2/Q1562-4M****	0.039	18.0	14.5	8.5	15.0	0.8	HCY2/Q1393-6M****
0.0068	13.0	11.0	5.0	10.0	0.6	HCY2/Q1682-4M****	0.047	18.0	14.5	8.5	15.0	0.8	HCY2/Q1473-6M****
0.0082	13.0	12.0	6.0	10.0	0.6	HCY2/Q1822-4M****	0.056	18.0	16.0	10.0	15.0	0.8	HCY2/Q1563-6M****
0.01	13.0	12.0	6.0	10.0	0.6	HCY2/Q1103-4M****	0.068	18.0	16.0	10.0	15.0	0.8	HCY2/Q1683-6M****
0.015	13.0	14.0	8.0	10.0	0.6	HCY2/Q1153-4M****	0.082	18.0	19.0	11.0	15.0	0.8	HCY2/Q1823-6M****
0.0022	18.0	9.5	5.0	15.0	0.6	HCY2/Q1222-6M****	0.033	26.5	15.0	6.0	22.5	0.8	HCY2/Q1333-9M****
0.0027	18.0	9.5	5.0	15.0	0.6	HCY2/Q1272-6M****	0.039	26.0	14.5	6.0	22.5	0.8	HCY2/Q1393-9M****
0.0033	18.0	9.5	5.0	15.0	0.6	HCY2/Q1332-6M****	0.047	26.0	14.5	6.0	22.5	0.8	HCY2/Q1473-9M****
0.0039	18.0	9.5	5.0	15.0	0.6	HCY2/Q1392-6M****	0.056	26.5	16.5	7.0	22.5	0.8	HCY2/Q1563-9M****
0.0047	18.0	9.5	5.0	15.0	0.6	HCY2/Q1472-6M****	0.068	26.5	16.5	7.0	22.5	0.8	HCY2/Q1683-9M****
0.0056	18.0	9.5	5.0	15.0	0.6	HCY2/Q1562-6M****	0.082	26.5	17.0	8.5	22.5	0.8	HCY2/Q1823-9M****

Note: (1) "-" means capacitance tolerance code, K=±10%, M=±20% ;
(2) "****" means lead form and packaging code (See table 1) .

Outline Dimensions

Y2：300Va.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
0.1	26.5	17.0	8.5	22.5	0.8	HCY2/Q1104-9M****	0.39	32.0	28.0	14.0	27.5	0.8	HCY2/Q1394-BM****
0.12	26.5	19.0	10.0	22.5	0.8	HCY2/Q1124-9M****	0.47	32.0	30.0	16.0	27.5	0.8	HCY2/Q1474-BM****
0.15	26.5	19.0	10.0	22.5	0.8	HCY2/Q1154-9M****	0.56	32.0	32.0	16.0	27.5	0.8	HCY2/Q1564-BM****
0.18	26.0	22.0	12.0	22.5	0.8	HCY2/Q1184-9M****	0.68	32.0	33.0	18.0	27.5	0.8	HCY2/Q1684-BM****
0.22	26.0	22.0	12.0	22.5	0.8	HCY2/Q1224-9M****	0.82	32.0	37.0	22.0	27.5	0.8	HCY2/Q1824-BM****
0.27	26.5	29.5	14.5	22.5	0.8	HCY2/Q1274-9M****	1.0	32.0	37.0	22.0	27.5	0.8	HCY2/Q1105-BM****
0.33	26.5	29.5	14.5	22.5	0.8	HCY2/Q1334-9M****	0.33	42.0	22.0	12.0	37.5	1.0	HCY2/Q1334-FM****
0.39	26.5	29.5	14.5	22.5	0.8	HCY2/Q1394-9M****	0.39	42.0	24.0	13.0	37.5	1.0	HCY2/Q1394-FM****
0.15	32.0	20.0	11.0	27.5	0.8	HCY2/Q1154-BM****	0.47	42.0	26.0	15.0	37.5	1.0	HCY2/Q1474-FM****
0.18	32.0	20.0	110	27.5	0.8	HCY2/Q1184-BM****	0.56	42.0	26.0	15.0	37.5	1.0	HCY2/Q1564-FM****
0.22	32.0	22.0	13.0	27.5	0.8	HCY2/Q1224-BM****	0.68	42.0	30.0	16.0	37.5	1.0	HCY2/Q1684-FM****
0.27	32.0	25.0	14.0	27.5	0.8	HCY2/Q1274-BM****	0.82	42.0	30.0	16.0	37.5	1.0	HCY2/Q1824-FM****
0.33	32.0	25.0	14.0	27.5	0.8	HCY2/Q1334-BM****	1.0	42.0	33.0	18.0	37.5	1.0	HCY2/Q1105-FM****

Note: (1) "-" means capacitance tolerance code, K=±10%, M=±20% ;
(2) "****" means lead form and packaging code (See table 1) .