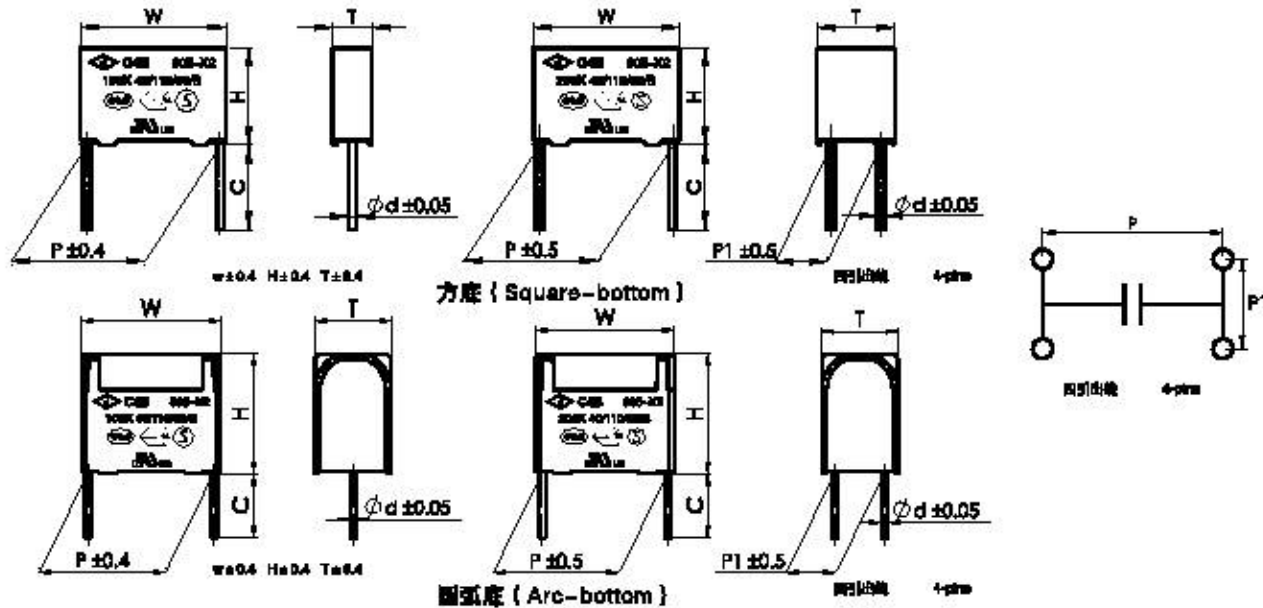


## 金属化聚丙烯膜抗干扰电容器 (X2类, 305Vac/350Vac) Metallized polypropylene film Interference Suppression capacitor (Class X2, 305Vac/350Vac)

### 外形图 Outline Drawing



### 特点

- 金属化聚丙烯膜
- 能承受过压冲击
- 优异的阻燃性能
- 用于电源跨线路等抗干扰场合

### Features

- Metallized polypropylene film
- Withstanding overvoltage stressing
- Excellent active and passive flame resistant abilities
- Used in across-the-line, interference suppression circuit

### 安全认证 Safety Approvals

●		CQC (中国)	IEC 60384-14:2013, X2, 305Vac&350Vac, 0.01μF-25μF, 4Q/110/56/B 证书号 (Certificate No.): CQC14001118718
●		ENEC-SEMKO (欧盟)	EN 60384-14:2013, X2, 305Vac&350Vac, 0.01μF-25μF, 4Q/110/56/B 证书号 (Certificate No.): SE0366-6
●		UL/CUL (美国/加拿大)	UL60384-14:2014, CSA E60384-14:09, X2, 305Vac&350Vac, 0.01μF-25μF, 4Q/110/56/B 证书号 (File No.): E188600, CCN: FOWX2/B

### 技术要求 Specifications

电容器类别 Class	X2 类		
气候类别 / 阻燃等级 Climate Category / Passive Flammability Category	4Q/110/56/B		
工作温度范围 Operating Temperature Range	-40℃ - +110℃		
额定电压 Rated Voltage (U <sub>n</sub> )	305Vac, 50/60Hz	350Vac, 50/60Hz	
最大连续直流电压 Maximum continuous DC voltage	580Vdc	630Vdc	
电容量范围 Capacitance Range	0.010μF - 25.0μF		0.010μF - 25.0μF
电容量偏差 Capacitance Tolerance	±10%(K), ±20%(M)		
耐电压 Voltage Proof	引线之间 Between Terminals:	4.5U <sub>n</sub> (dc), 2s	
	极壳之间 Between Terminals To Case:	2 200V <sub>ao</sub> , 1min	
绝缘电阻 Insulation Resistance	R ≥ 15 000MΩ, C <sub>N</sub> ≤ 0.33μF R/C <sub>N</sub> ≥ 5 000s, C <sub>N</sub> > 0.33μF (20℃, 100V, 1min)		
	损耗角正切 Dissipation Factor (tan δ)	0.010μF ≤ C <sub>N</sub> ≤ 1.0μF	≤ 15 × 10 <sup>-4</sup> (1kHz, 20℃)
	1.0μF < C <sub>N</sub> ≤ 10.0μF	≤ 30 × 10 <sup>-4</sup> (1kHz, 20℃)	
	C <sub>N</sub> > 10.0μF	≤ 40 × 10 <sup>-4</sup> (1kHz, 20℃)	



C4B

产品编码说明 Part number system

■ 18位产品代码如下:

The 18 digits part number is formed as follow:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
C	4	B															

第1~3位	型号代码 C4B	Digit 1 to 3	Series code C4B
第4~5位	交流额定电压 R2=350V Q2=306V	Digit 4 to 5	AC rated voltage R2=350V Q2=306V
第6~8位	标称容量 举例: 103=10×10 <sup>3</sup> pF=0.01μF	Digit 6 to 8	Rated capacitance value For example: 103=10×10 <sup>3</sup> pF=0.01μF
第9位	容量偏差 K=±10%, M=±20%	Digit 9	Capacitance tolerance K=±10%, M=±20%
第10位	引线脚距P 4=10.0mm 6=15.0mm 9=22.5mm B=27.5mm F=37.5mm M=62.5mm	Digit 10	Pitch 4=10.0mm 6=15.0mm 9=22.5mm B=27.5mm F=37.5mm M=62.5mm
第11位	内部特征码	Digit 11	Internal use
第12~15位	引线加工和包装代码	Digit 12 to 15	Lead form and packaging code
第16~18位	内部特征码	Digit 16 to 18	Internal use

■ Table 1 引线加工和包装代码 lead form and packaging code

第 12 位 Digit 12		第 13 位 Digit 13		第 14 位 Digit 14		第 15 位 Digit 15	
代码 Code	说明 explanation	代码 Code	说明 explanation	代码 Code	说明 explanation	代码 Code	说明 explanation
A	弹带包装 ammo-pack	2 4 8	F=7.5mm F=10.0mm F=15.0mm	0	表示直到 straight	1 5	产品在基座的两个螺孔之间 each esp. among two non-screw holes P3=12.7mm,H=18.5mm (For pitch=7.5mm) P3=25.4mm;H=18.5mm (For pitch=10.0/15.0mm) (Detail parameter refer to catalogue pag 17)
C	直脚 straight lead "C" in the figure above	代码 Code	说明 explanation			0	引线长度偏差 ±0.5mm 或标准长度 Length tolerance ±0.5mm Or standard length
		00 45	标准的引线长度 (18mm~28mm) standard lead length 引线长度 4.5mm lead length 4.5mm				
D	绝缘引线 (多股) insulated stranded leads	C5 K0	35mm 100mm			1	引线长度偏差 -5mm - 0mm Length tolerance -5 mm - 0 mm
E	绝缘引线 (单股) insulated solid leads	K2 L0	120mm 200mm			2	引线长度偏差 0 mm ~ +5 mm Length tolerance 0 mm ~ +5 mm
M	绝缘引线 (多股), 外带正座安装耳 insulated stranded leads Box with mounting foot		注 1: 这里的长度包含剥线长度 Note 1: This length includes the stripping parts. 注 2: 一般 P > 27.5 产品才可用绝缘线方式 Note 2: Normally, for P > 27.5 Caps can choice insulated leads.			3 4	引线长度偏差 0 mm ~ +10mm Length tolerance 0 mm ~ +10mm 引线长度偏差 ±5 mm Length tolerance ±5 mm
T	P1=20.3mm±0.5mm P1=20mm±0.5mm	45 55	引线长度 4.5mm lead length 4.5mm 引线长度 5.5mm lead length 5.5mm			0	引线长度偏差 ±0.5mm 或标准长度 Length tolerance ±0.5mm Or standard length



■ 外形尺寸 Dimensions (mm)

105Vac						
C <sub>0</sub> (μF)	W	H	T	P	d	Part number
0.010	13.0	8.0	4.0	10.0	0.8	C4BQ2103-4S****+++
0.012	13.0	8.0	4.0	10.0	0.8	C4BQ2123-4S****+++
0.016	13.0	8.0	4.0	10.0	0.8	C4BQ2153-4S****+++
0.018	13.0	8.0	4.0	10.0	0.8	C4BQ2183-4S****+++
0.022	13.0	8.0	4.0	10.0	0.8	C4BQ2223-4S****+++
0.027	13.0	8.0	4.0	10.0	0.8	C4BQ2273-4S****+++
0.033	13.0	8.0	4.0	10.0	0.8	C4BQ2333-4S****+++
0.039	13.0	11.0	5.0	10.0	0.8	C4BQ2393-4S****+++
0.047	13.0	11.0	5.0	10.0	0.8	C4BQ2473-4S****+++
0.056	13.0	11.0	5.0	10.0	0.8	C4BQ2563-4S****+++
0.066	13.0	11.0	5.0	10.0	0.8	C4BQ2663-4S****+++
0.082	13.0	12.0	6.0	10.0	0.8	C4BQ2823-4S****+++
0.10	13.0	13.0	7.0	10.0	0.8	C4BQ2104-4S****+++
0.022	17.5	8.5	5.0	15.0	0.8	C4BQ2223-6S****+++
0.027	17.5	8.5	5.0	15.0	0.8	C4BQ2273-6S****+++
0.033	17.5	8.5	5.0	15.0	0.8	C4BQ2333-6S****+++
0.039	17.5	8.5	5.0	15.0	0.8	C4BQ2393-6S****+++
0.047	17.5	8.5	5.0	15.0	0.8	C4BQ2473-6S****+++
0.056	17.5	8.5	5.0	15.0	0.8	C4BQ2563-6S****+++
0.066	17.5	8.5	5.0	15.0	0.8	C4BQ2663-6S****+++
0.082	17.5	8.5	5.0	15.0	0.8	C4BQ2823-6S****+++
0.10	17.5	11.0	5.0	15.0	0.8	C4BQ2104-6S****+++
0.12	17.5	12.0	6.0	15.0	0.8	C4BQ2124-6S****+++
0.15	17.5	12.0	6.0	15.0	0.8	C4BQ2154-6S****+++
0.18	17.5	13.5	7.5	15.0	0.8	C4BQ2184-6S****+++
0.22	17.5	13.5	7.5	15.0	0.8	C4BQ2224-6S****+++
0.27	17.5	14.5	8.5	15.0	0.8	C4BQ2274-6S****+++
0.33	17.5	14.5	8.5	15.0	0.8	C4BQ2334-6S****+++
0.39	17.5	18.0	10.0	15.0	0.8	C4BQ2394-6S****+++
0.47	17.5	18.0	11.0	15.0	0.8	C4BQ2474-6S****+++
0.56	28.5	15.0	6.0	22.5	0.8	C4BQ2564-6S****+++
0.66	28.5	15.0	6.0	22.5	0.8	C4BQ2664-6S****+++
0.47	28.5	18.0	7.0	22.5	0.8	C4BQ2474-8S****+++
0.56	28.5	17.0	8.5	22.5	0.8	C4BQ2564-8S****+++
0.66	28.5	17.0	8.5	22.5	0.8	C4BQ2664-8S****+++
0.82	28.5	18.5	10.0	22.5	0.8	C4BQ2824-8S****+++
1.0	28.5	20.0	11.0	22.5	0.8	C4BQ2105-8S****+++
1.2	28.5	22.0	12.0	22.5	0.8	C4BQ2125-8S****+++
1.5	28.5	23.0	13.5	22.5	0.8	C4BQ2155-8S****+++
1.8	28.5	24.5	15.5	22.5	0.8	C4BQ2185-8S****+++
2.2M	28.5	28.0	12.0	22.5	0.8	C4BQ2225MRA****+++
2.2M	28.5	24.5	13.5	22.5	0.8	C4BQ2225M8B****+++
2.2	28.5	29.5	14.5	22.5	0.8	C4BQ2225-8S****+++

205Vac						
C <sub>0</sub> (μF)	W	H	T	P	d	Part number
0.47	32.0	18.0	8.0	27.5	0.8	C4BQ2474-8S****+++
0.56	32.0	18.0	8.0	27.5	0.8	C4BQ2564-8S****+++
0.66	32.0	18.0	8.0	27.5	0.8	C4BQ2664-8S****+++
0.82	32.0	18.0	8.0	27.5	0.8	C4BQ2824-8S****+++
1.0	32.0	18.0	8.0	27.5	0.8	C4BQ2105-8S****+++
1.2	32.0	20.0	11.0	27.5	0.8	C4BQ2125-8S****+++
1.5	32.0	20.0	11.0	27.5	0.8	C4BQ2155-8S****+++
1.8	32.0	22.0	13.0	27.5	0.8	C4BQ2185-8S****+++
2.2	32.0	24.5	15.0	27.5	0.8	C4BQ2225-8S****+++
2.7	32.0	28.0	14.0	27.5	0.8	C4BQ2275-8S****+++
3.3	32.0	30.0	16.0	27.5	0.8	C4BQ2335-8S****+++
3.9	32.0	33.0	18.0	27.5	0.8	C4BQ2395-8S****+++
4.7	32.0	33.0	18.0	27.5	0.8	C4BQ2475-8S****+++
5.6	32.0	37.0	22.0	27.5	0.8	C4BQ2565-8S****+++
6.3M	32.0	37.0	22.0	27.5	0.8	C4BQ2665M8S****+++
1.0	41.0	22.0	11.0	37.5	1.0	C4BQ2105-F8****+++
1.2	41.0	22.0	11.0	37.5	1.0	C4BQ2125-F8****+++
1.5	41.0	22.0	11.0	37.5	1.0	C4BQ2155-F8****+++
1.8	41.0	22.0	11.0	37.5	1.0	C4BQ2185-F8****+++
2.2	41.0	24.0	13.0	37.5	1.0	C4BQ2225-F8****+++
2.7	41.0	24.0	13.0	37.5	1.0	C4BQ2275-F8****+++
3.3	41.0	28.0	15.0	37.5	1.0	C4BQ2335-FA****+++
3.3	42.0	28.0	14.0	37.5	1.0	C4BQ2335-F8****+++
3.9	41.0	30.0	16.0	37.5	1.0	C4BQ2395-F8****+++
4.7M	41.0	30.0	16.0	37.5	1.0	C4BQ2475MF8****+++
4.7K	41.0	32.0	17.0	37.5	1.0	C4BQ2475KF8****+++
5.6	41.0	33.5	18.5	37.5	1.0	C4BQ2565-F8****+++
★ 6.3	41.0	34.0	20.0	37.5	1.0	C4BQ2665-F8****+++
8.2	41.0	37.0	22.0	37.5	1.0	C4BQ2825-F8****+++
10.0	41.0	41.0	26.0	37.5	1.0	C4BQ2109-F8****+++
12.0	41.0	43.0	28.0	37.5	1.0	C4BQ2129-F8****+++
16.0M	42.0	45.0	30.0	37.5	1.0	C4BQ2169MF8****+++
★ 15.0K	42.0	50.0	30.0	37.5	1.0	C4BQ2159KF8****+++
18.0	57.0	48.0	30.0	52.5	1.2	C4BQ2186-M8T****+++
20.0	57.0	45.0	30.0	52.5	1.2	C4BQ2206-M8T****+++
25.0	57.0	60.0	35.0	52.5	1.2	C4BQ2256-M8T****+++

备注: 1. "-" 表示容量偏差。 "-" = capacitance tolerance code, M=±20%,K=±10%  
 2. "\*\*\*\*" 表示引线加工和包装代码(见table 1)。 "\*\*\*\*" = lead form and packing code (refer to table 1)  
 3. "★" 表示外壳为圆弧度。 "★" = Arc bottom of the outer shell





C4B

■ 外形尺寸 Dimensions (mm)

350Vac						
C <sub>0</sub> (μF)	W	H	T	P	d	Part number
0.010	13.0	9.0	4.0	10.0	0.6	C4BR2103-40****++
0.012	13.0	9.0	4.0	10.0	0.6	C4BR2123-40****++
0.015	13.0	9.0	4.0	10.0	0.6	C4BR2153-40****++
0.018	13.0	9.0	4.0	10.0	0.6	C4BR2183-40****++
0.022	13.0	9.0	4.0	10.0	0.6	C4BR2223-40****++
0.027	13.0	11.0	5.0	10.0	0.6	C4BR2273-40****++
0.033	13.0	11.0	5.0	10.0	0.6	C4BR2333-40****++
0.039	13.0	11.0	5.0	10.0	0.6	C4BR2393-40****++
0.047	13.0	12.0	6.0	10.0	0.6	C4BR2473-40****++
0.059	13.0	12.0	6.0	10.0	0.6	C4BR2593-40****++
0.010	17.5	9.5	5.0	15.0	0.6	C4BR2103-80****++
0.012	17.5	9.5	5.0	15.0	0.6	C4BR2123-80****++
0.015	17.5	9.5	5.0	15.0	0.6	C4BR2153-80****++
0.018	17.5	9.5	5.0	15.0	0.6	C4BR2183-80****++
0.022	17.5	9.5	5.0	15.0	0.6	C4BR2223-80****++
0.027	17.5	9.5	5.0	15.0	0.6	C4BR2273-80****++
0.033	17.5	9.5	5.0	15.0	0.6	C4BR2333-80****++
0.039	17.5	9.5	5.0	15.0	0.6	C4BR2393-80****++
0.047	17.5	11.0	5.0	15.0	0.6	C4BR2473-80****++
0.059	17.5	11.0	5.0	15.0	0.6	C4BR2593-80****++
0.088	17.5	12.0	6.0	15.0	0.6	C4BR2683-80****++
0.082	17.5	12.0	6.0	15.0	0.6	C4BR2823-80****++
0.10	17.5	12.0	6.0	15.0	0.6	C4BR2104-80****++
0.12	17.5	13.5	7.5	15.0	0.6	C4BR2124-80****++
0.15	17.5	13.5	7.5	15.0	0.6	C4BR2154-80****++
0.18	17.5	14.5	8.5	15.0	0.6	C4BR2184-80****++
0.22	17.5	14.5	8.5	15.0	0.6	C4BR2224-80****++
0.27	17.5	16.0	10.0	15.0	0.6	C4BR2274-80****++
0.33	17.5	16.0	11.0	15.0	0.6	C4BR2334-80****++
0.10	26.5	16.0	6.0	22.5	0.8	C4BR2104-80****++
0.12	26.5	15.0	6.0	22.5	0.8	C4BR2124-80****++
0.15	26.5	16.0	6.0	22.5	0.8	C4BR2164-80****++
0.18	26.5	15.0	6.0	22.5	0.8	C4BR2184-80****++
0.22	26.5	16.0	6.0	22.5	0.8	C4BR2224-80****++
0.27	26.5	16.0	6.0	22.5	0.8	C4BR2274-80****++
0.33	26.5	16.0	7.0	22.5	0.8	C4BR2334-80****++
0.39	26.5	17.0	8.5	22.5	0.8	C4BR2394-80****++
0.47	26.5	17.0	8.5	22.5	0.8	C4BR2474-80****++
0.59	26.5	18.5	10.0	22.5	0.8	C4BR2594-80****++
0.68	26.5	18.5	10.0	22.5	0.8	C4BR2684-80****++
0.82	26.5	20.0	11.0	22.5	0.8	C4BR2824-80****++
1.0	26.5	22.0	12.0	22.5	0.8	C4BR2105-80****++
1.2	26.5	23.0	13.5	22.5	0.8	C4BR2125-80****++
1.5	26.5	24.5	15.5	22.5	0.8	C4BR2155-80****++

350Vac						
C <sub>0</sub> (μF)	W	H	T	P	d	Part number
0.22	32.0	18.0	9.0	27.5	0.8	C4BR2224-B0****++
0.27	32.0	18.0	9.0	27.5	0.8	C4BR2274-B0****++
0.33	32.0	18.0	9.0	27.5	0.8	C4BR2334-B0****++
0.39	32.0	18.0	9.0	27.5	0.8	C4BR2394-B0****++
0.47	32.0	18.0	9.0	27.5	0.8	C4BR2474-B0****++
0.59	32.0	18.0	9.0	27.5	0.8	C4BR2594-B0****++
0.68	32.0	18.0	9.0	27.5	0.8	C4BR2684-B0****++
0.82	32.0	20.0	11.0	27.5	0.8	C4BR2824-B0****++
1.0	32.0	20.0	11.0	27.5	0.8	C4BR2105-B0****++
1.2	32.0	22.0	13.0	27.5	0.8	C4BR2125-B0****++
1.5	32.0	25.0	15.0	27.5	0.8	C4BR2155-B0****++
1.8	32.0	24.5	15.0	27.5	0.8	C4BR2165-B0****++
2.2	32.0	30.0	18.0	27.5	0.8	C4BR2225-B0****++
2.7	32.0	33.0	18.0	27.5	0.8	C4BR2275-B0****++
3.3	32.0	38.0	18.0	27.5	0.8	C4BR2335-B0****++
3.9	32.0	37.0	22.0	27.5	0.8	C4BR2395-B0****++
4.7	32.0	37.0	22.0	27.5	0.8	C4BR2475-B0****++
0.33	41.0	22.0	11.0	37.5	1.0	C4BR2334-F0****++
0.39	41.0	22.0	11.0	37.5	1.0	C4BR2394-F0****++
0.47	41.0	22.0	11.0	37.5	1.0	C4BR2474-F0****++
0.59	41.0	22.0	11.0	37.5	1.0	C4BR2594-F0****++
0.68	41.0	22.0	11.0	37.5	1.0	C4BR2684-F0****++
0.82	41.0	22.0	11.0	37.5	1.0	C4BR2824-F0****++
1.0	41.0	22.0	11.0	37.5	1.0	C4BR2105-F0****++
1.2	41.0	22.0	11.0	37.5	1.0	C4BR2125-F0****++
1.5	41.0	24.0	13.0	37.5	1.0	C4BR2155-F0****++
1.8	41.0	24.0	13.0	37.5	1.0	C4BR2165-F0****++
2.2	41.0	28.0	16.0	37.5	1.0	C4BR2225-F0****++
2.7	42.0	28.0	14.0	37.5	1.0	C4BR2275-F0****++
3.3	41.0	30.0	16.0	37.5	1.0	C4BR2335-F0****++
3.9	41.0	32.0	17.0	37.5	1.0	C4BR2395-F0****++
★ 4.7	41.0	34.0	20.0	37.5	1.0	C4BR2475-F0****++
5.8	41.0	37.0	22.0	37.5	1.0	C4BR2595-F0****++
6.8M	41.0	37.0	22.0	37.5	1.0	C4BR2685MF0****++
★ 6.8K	41.0	37.0	26.0	37.5	1.0	C4BR2825KF0****++
8.2	41.0	41.0	26.0	37.5	1.0	C4BR2825-F0****++
10.0	42.0	45.0	30.0	37.5	1.0	C4BR2106-F0****++
15.0	57.0	45.0	30.0	52.5	1.2	C4BR2156-M0T****++
18.0	57.0	45.0	35.0	52.5	1.2	C4BR2186-M0T****++
20.0	57.0	50.0	35.0	52.5	1.2	C4BR2206-M0T****++

- 备注: 1. "-" 表示容量偏差。 "-" = capacitance tolerance code, M=±20%,K=±10%  
 2. "\*\*\*\*" 表示引线加工和包装代码(见table 1)。 "\*\*\*\*" =lead form and packing code (refer to table 1)  
 3. "★" 表示外壳为圆弧度。 "★" = Arc bottom of the outer shell