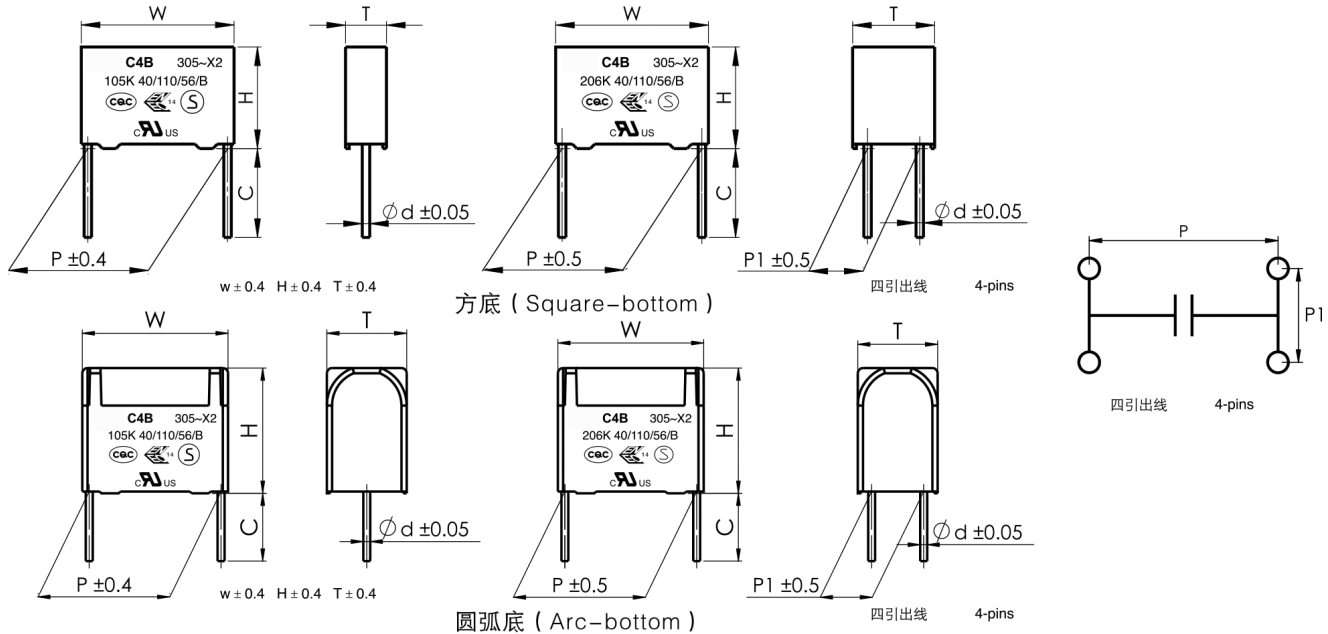


金属化聚丙烯膜抗干扰电容器 (X2类, 305Vac/350Vac, THB防潮系列) Metallized polypropylene film Interference Suppression capacitor (Class X2, 305Vac/350Vac, Temperature Humidity Bias (THB) series)

■ 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
- 在严苛的环境下(如高温高湿)长期应用容量稳定性优异
- 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
- High stability of capacitance under severe ambient condition, such as high temperature and high humidity
- 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, 40/110/56/B 证书号 (Certificate No.) : CQC14001118716
●		ENEC-SEMKO (欧盟)	EN 60384-14:2013, X2, 305Vac&350Vac, 0.01μF~25μF, 40/110/56/B 证书号 (Certificate No.) : SE/0366-6
●		UL/CUL (美国/加拿大)	UL60384-14:2014, CSA E60384-14:09, X2, 305Vac&350Vac, 0.01μF~25μF, 40/110/56/B 证书号 (File No.) : E186600, CCN: FOWX2/B

■ 技术要求 Specifications

电容器类别 Class	X2 类		
气候类别 / 阻燃等级 Climatic Category/Passive Flammability Category	40/110/56/B		
工作温度范围 Operating Temperature Range	-40°C ~ +110°C		
额定电压 Rated Voltage(U _R)	305Vac, 50/60Hz	350Vac, 50/60Hz	
最大连续直流电压 Maximum continuous DC voltage	560Vdc	630Vdc	
电容量范围 Capacitance Range	0.10μF ~ 25.0μF	0.10μF ~ 20.0μF	
电容量偏差 Capacitance Tolerance	± 10%(K), ± 20%(M)		
耐电压 Voltage Proof	引线之间 Between Terminals:	4.3U _R (dc), 2s	
	极壳之间 Between Terminals To Case:	2 200Vac, 1min	
绝缘电阻 Insulation Resistance	R ≥ 15 000MΩ, C _N ≤ 0.33μF (20°C, 100V, 1min) R _{CN} ≥ 5 000s, C _N > 0.33μF		
损耗角正切 Dissipation Factor (tan δ)	0.10μF ≤ C _N ≤ 1.0μF	≤ 15 × 10 ⁻⁴ (1kHz,20°C)	≤ 40 × 10 ⁻⁴ (10kHz,20°C)
	1.0μF < C _N ≤ 10.0μF	≤ 30 × 10 ⁻⁴ (1kHz,20°C)	-----
	C _N > 10.0μF	≤ 40 × 10 ⁻⁴ (1kHz,20°C)	-----
防潮测试 THB test (Damp heat test with loading)	Temperature: 85°C ± 2°C ; Humidity: 85%RH ± 2% RH Voltage: 300Vac 50Hz; Duration: 1 000 h (C _N > 0.47μF) Capacitance change (ΔC/C): ≤ 10% Dissipation factor change (Δtan δ): ≤ 0.5% (1kHz) Insulation resistance: ≥ 50% of the rated value		

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								W							

第1~3位	型号代码	Digit 1 to 3	Series code
	C4B		C4B
第4~5位	交流额定电压	Digit 4 to 5	AC rated voltage
	R2=350V Q2=305V		R2=350V Q2=305V
第6~8位	标称容量	Digit 6 to 8	Rated capacitance value
	举例: 103=10 × 10 ³ pF=0.01μF		For example: 103=10 × 10 ³ pF=0.01μF
第9位	容量偏差	Digit 9	Capacitance tolerance
	K= ± 10%, M= ± 20%		K= ± 10%, M= ± 20%
第10位	引线脚距P	Digit 10	Pitch
	4=10.0mm 6=15.0mm 9=22.5mm B=27.5mm F=37.5mm M=52.5mm		4=10.0mm 6=15.0mm 9=22.5mm B=27.5mm F=37.5mm M=52.5mm
第11位	内部特征码: W或V	Digit 11	Internal use: W or V
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	3 4 6	F=7.5mm F=10.0mm F=15.0mm	0	表示直脚 straight	1 5	产品在连续的两个载带孔之间 each cap. among two consecutive 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~26mm) standard lead length 引线长度 4.5mm lead length 4.5mm				
D	软绝缘线 (多股) Insulated stranded leads	C5 K0 K2 L0	35mm 100mm 120mm 200mm			1 2 3 4	引线长度偏差 -5mm ~ 0mm Length tolerance -5 mm ~ 0 mm 引线长度偏差 0 mm ~ +5 mm Length tolerance 0 mm ~ +5 mm 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
E	硬绝缘线 (单股) Insulated solid leads						
M	软绝缘线 (多股), 外壳带正底安装耳 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 产品才可选用绝缘线方式 Note 2: Normally, for P ≥ 27.5 Caps can choice Insulated leads.				
T 3	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)

305Vac						
C _N (μF)	W	H	T	P	d	Part number
0.10	17.5	12.0	6.0	15.0	0.6	C4BQ2104-6V****+++
0.12	17.5	12.0	6.0	15.0	0.6	C4BQ2124-6W****+++
0.15	17.5	13.5	7.5	15.0	0.6	C4BQ2154-6V****+++
0.18	17.5	13.5	7.5	15.0	0.6	C4BQ2184-6W****+++
0.22	17.5	14.5	8.5	15.0	0.6	C4BQ2224-6V****+++
0.27	17.5	14.5	8.5	15.0	0.6	C4BQ2274-6W****+++
0.33	17.5	16.0	10.0	15.0	0.6	C4BQ2334-6V****+++
0.39	17.5	18.0	10.0	15.0	0.8	C4BQ2394-6V****+++
0.47	17.5	19.0	11.0	15.0	0.8	C4BQ2474-6W****+++
0.33	26.5	16.0	7.0	22.5	0.8	C4BQ2334-9V****+++
0.39	26.5	17.0	8.5	22.5	0.8	C4BQ2394-9V****+++
0.47	26.5	17.0	8.5	22.5	0.8	C4BQ2474-9W****+++
0.56	26.5	18.5	9.0	22.5	0.8	C4BQ2564-9V****+++
0.68	26.5	18.5	10.0	22.5	0.8	C4BQ2684-9W****+++
0.82	26.5	20.0	11.0	22.5	0.8	C4BQ2824-9V****+++
1.0	26.5	22.0	12.0	22.5	0.8	C4BQ2105-9V****+++
1.2	26.5	22.0	12.0	22.5	0.8	C4BQ2125-9W****+++
1.5M	26.5	23.0	13.5	22.5	0.8	C4BQ2155M9W****+++
1.5	26.5	24.5	14.5	22.5	0.8	C4BQ2155-9V****+++
1.8	26.5	24.5	15.5	22.5	0.8	C4BQ2185-9W****+++
2.2M	26.5	29.5	14.5	22.5	0.8	C4BQ2225M9W****+++
2.2	26.5	31.0	15.5	22.5	0.8	C4BQ2225-9V****+++
0.47	32.0	18.0	9.0	27.5	0.8	C4BQ2474-BW****+++
0.56	32.0	18.0	9.0	27.5	0.8	C4BQ2564-BW****+++
0.68	32.0	20.0	11.0	27.5	0.8	C4BQ2684-BV****+++
0.82	32.0	20.0	11.0	27.5	0.8	C4BQ2824-BV****+++
1.0	32.0	20.0	11.0	27.5	0.8	C4BQ2105-BW****+++
1.2	32.0	20.0	11.0	27.5	0.8	C4BQ2125-BW****+++
1.5	32.0	22.0	13.0	27.5	0.8	C4BQ2155-BW****+++
1.8	32.0	25.0	13.0	27.5	0.8	C4BQ2185-BW****+++

305Vac						
C _N (μF)	W	H	T	P	d	Part number
2.2	32.0	24.5	15.0	27.5	0.8	C4BQ2225-BW****+++
2.7	32.0	30.0	16.0	27.5	0.8	C4BQ2275-BW****+++
3.3M	32.0	30.0	16.0	27.5	0.8	C4BQ2335MBW****+++
3.3	32.0	29.0	19.0	27.5	0.8	C4BQ2335-BV****+++
3.9	32.0	33.0	18.0	27.5	0.8	C4BQ2395-BW****+++
★ 4.7M	32.0	34.0	20.0	27.5	0.8	C4BQ2475MBV****+++
★ 4.7K	32.0	34.0	20.0	27.5	0.8	C4BQ2475KBW****+++
★ 5.6	32.0	37.0	22.0	27.5	0.8	C4BQ2565-BW****+++
6.8	32.0	40.5	24.0	27.5	0.8	C4BQ2685-BV****+++
★ 1.5	41.0	22.0	11.0	37.5	1.0	C4BQ2155-FW****+++
★ 1.8	41.0	24.0	13.0	37.5	1.0	C4BQ2185-FV****+++
★ 2.2	41.0	24.0	13.0	37.5	1.0	C4BQ2225-FW****+++
★ 2.7	41.0	26.0	15.0	37.5	1.0	C4BQ2275-FV****+++
★ 3.3M	42.0	28.0	14.0	37.5	1.0	C4BQ2335MFW****+++
★ 3.3	41.0	28.0	17.0	37.5	1.0	C4BQ2335-FV****+++
3.9	41.0	30.0	16.0	37.5	1.0	C4BQ2395-FW****+++
★ 4.7M	41.0	32.0	17.0	37.5	1.0	C4BQ2475MFV****+++
★ 4.7K	41.0	32.0	17.0	37.5	1.0	C4BQ2475KFW****+++
5.6	41.0	33.5	18.5	37.5	1.0	C4BQ2565-FW****+++
6.8M	41.0	34.0	20.0	37.5	1.0	C4BQ2685MFW****+++
6.8K	41.0	37.0	22.0	37.5	1.0	C4BQ2685KFW****+++
8.2	41.0	37.0	26.0	37.5	1.0	C4BQ2825-FV****+++
10.0	41.0	41.0	26.0	37.5	1.0	C4BQ2106-FW****+++
★ 12.0	41.0	43.0	28.0	37.5	1.0	C4BQ2126-FW****+++
15.0M	42.0	45.0	30.0	37.5	1.0	C4BQ2156MFW****+++
★ 15.0K	42.0	50.0	30.0	37.5	1.0	C4BQ2156KFW****+++
★ 18.0	57.0	45.0	30.0	52.5	1.2	C4BQ2186-MWT****+++
★ 20.0M	57.0	45.0	30.0	52.5	1.2	C4BQ2206MMWT****+++
★ 20.0K	57.0	48.0	30.0	52.5	1.2	C4BQ2206KMVT****+++
25.0	57.0	50.0	35.0	52.5	1.2	C4BQ2256-MWT****+++

- 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. “★”表示外壳为圆弧底。“★”= Arc bottom of the outer shell.

■ 外形尺寸 Dimensions (mm)

350Vac						
C _N (μF)	W	H	T	P	d	Part number
0.10	17.5	13.5	7.5	15.0	0.6	C4BR2104-6W****+++
0.12	17.5	13.5	7.5	15.0	0.6	C4BR2124-6W****+++
0.15	17.5	14.5	8.5	15.0	0.6	C4BR2154-6W****+++
0.18	17.5	14.5	8.5	15.0	0.6	C4BR2184-6W****+++
0.22	17.5	16.0	10.0	15.0	0.6	C4BR2224-6W****+++
0.27	17.5	16.0	10.0	15.0	0.8	C4BR2274-6W****+++
0.33	17.5	19.0	11.0	15.0	0.8	C4BR2334-6W****+++
0.10	26.5	15.0	6.0	22.5	0.8	C4BR2104-9W****+++
0.12	26.5	15.0	6.0	22.5	0.8	C4BR2124-9W****+++
0.15	26.5	16.0	7.0	22.5	0.8	C4BR2154-9W****+++
0.18	26.5	16.0	7.0	22.5	0.8	C4BR2184-9W****+++
0.22	26.5	16.0	7.0	22.5	0.8	C4BR2224-9W****+++
0.27	26.5	16.0	7.0	22.5	0.8	C4BR2274-9W****+++
0.33	26.5	17.0	8.5	22.5	0.8	C4BR2334-9W****+++
0.39M	26.5	17.0	8.5	22.5	0.8	C4BR2394M9V****+++
0.39K	26.5	18.5	9.0	22.5	0.8	C4BR2394K9V****+++
0.47M	26.5	18.5	9.0	22.5	0.8	C4BR2474M9V****+++
0.47K	26.5	18.5	10.0	22.5	0.8	C4BR2474K9V****+++
0.56	26.5	18.5	10.0	22.5	0.8	C4BR2564-9W****+++
0.68M	26.5	20.0	11.0	22.5	0.8	C4BR2684M9V****+++
0.68K	26.5	21.0	11.0	22.5	0.8	C4BR2684K9V****+++
0.82	26.5	22.0	12.0	22.5	0.8	C4BR2824-9V****+++
1.0	26.5	23.0	13.5	22.5	0.8	C4BR2105-9V****+++
1.2	26.5	24.5	14.5	22.5	0.8	C4BR2125-9V****+++
1.5	26.5	29.5	14.5	22.5	0.8	C4BR2155-9V****+++
1.8	26.5	31.0	15.5	22.5	0.8	C4BR2185-9V****+++
0.22	32.0	18.0	9.0	27.5	0.8	C4BR2224-BW****+++
0.27	32.0	18.0	9.0	27.5	0.8	C4BR2274-BW****+++
0.33	32.0	18.0	9.0	27.5	0.8	C4BR2334-BW****+++
0.39	32.0	18.0	9.0	27.5	0.8	C4BR2394-BW****+++
0.47	32.0	18.0	9.0	27.5	0.8	C4BR2474-BW****+++
0.56	32.0	18.0	9.0	27.5	0.8	C4BR2564-BW****+++
0.68	32.0	20.0	11.0	27.5	0.8	C4BR2684-BW****+++
0.82	32.0	20.0	11.0	27.5	0.8	C4BR2824-BW****+++
★ 1.0M	32.0	22.0	11.0	27.5	0.8	C4BR2105MBV****+++
1.0K	32.0	22.0	13.0	27.5	0.8	C4BR2105KBW****+++

350Vac						
C _N (μF)	W	H	T	P	d	Part number
1.2	32.0	22.0	13.0	27.5	0.8	C4BR2125-BW****+++
1.5	32.0	24.5	15.0	27.5	0.8	C4BR2155-BV****+++
1.8	32.0	28.0	14.0	27.5	0.8	C4BR2185-BW****+++
2.2	32.0	30.0	16.0	27.5	0.8	C4BR2225-BW****+++
2.7	32.0	33.0	18.0	27.5	0.8	C4BR2275-BW****+++
3.3M	32.0	33.0	18.0	27.5	0.8	C4BR2335MBW****+++
3.3K	32.0	38.0	18.0	27.5	0.8	C4BR2335KBW****+++
★ 3.9	32.0	37.0	22.0	27.5	0.8	C4BR2395-BW****+++
★ 4.7M	32.0	37.0	22.0	27.5	0.8	C4BR2475MBW****+++
★ 4.7K	32.0	38.0	24.0	27.5	0.8	C4BR2475KBV****+++
★ 0.33	41.0	22.0	11.0	37.5	1.0	C4BR2334-FW****+++
★ 0.39	41.0	22.0	11.0	37.5	1.0	C4BR2394-FW****+++
★ 0.47	41.0	22.0	11.0	37.5	1.0	C4BR2474-FW****+++
★ 0.56	41.0	22.0	11.0	37.5	1.0	C4BR2564-FW****+++
★ 0.68	41.0	22.0	11.0	37.5	1.0	C4BR2684-FW****+++
★ 0.82	41.0	22.0	11.0	37.5	1.0	C4BR2824-FW****+++
★ 1.0	41.0	22.0	11.0	37.5	1.0	C4BR2105-FW****+++
★ 1.2	41.0	22.0	11.0	37.5	1.0	C4BR2125-FW****+++
★ 1.5	41.0	24.0	13.0	37.5	1.0	C4BR2155-FW****+++
★ 1.8	41.0	26.0	15.0	37.5	1.0	C4BR2185-FV****+++
★ 2.2	41.0	26.0	15.0	37.5	1.0	C4BR2225-FW****+++
2.7	41.0	30.0	16.0	37.5	1.0	C4BR2275-FW****+++
3.3M	41.0	30.0	16.0	37.5	1.0	C4BR2335MFW****+++
★ 3.3K	41.0	32.0	17.0	37.5	1.0	C4BR2335KFW****+++
3.9	41.0	34.0	20.0	37.5	1.0	C4BR2395-FW****+++
4.7M	41.0	34.0	20.0	37.5	1.0	C4BR2475MFW****+++
4.7K	41.0	37.0	22.0	37.5	1.0	C4BR2475KFW****+++
5.6	41.0	37.0	22.0	37.5	1.0	C4BR2565-FW****+++
★ 6.8M	41.0	37.0	24.0	37.5	1.0	C4BR2685MFV****+++
6.8K	41.0	37.0	26.0	37.5	1.0	C4BR2685KFW****+++
8.2	41.0	43.0	28.0	37.5	1.0	C4BR2825-FV****+++
10.0	42.0	45.0	30.0	37.5	1.0	C4BR2106-FW****+++
★ 15.0M	57.0	45.0	30.0	52.5	1.2	C4BR2156MMWT***+++
★ 15.0K	57.0	48.0	30.0	52.5	1.2	C4BR2156KMVT***+++
18.0	57.0	48.5	34.0	52.5	1.2	C4BR2186-MVT***+++
20.0M	57.0	50.0	35.0	52.5	1.2	C4BR2206MMWT***+++
★ 20.0K	57.0	52.0	37.5	52.5	1.2	C4BR2206KMVT***+++

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. “★”表示外壳为圆弧形。“★”=Arc bottom of the outer shell