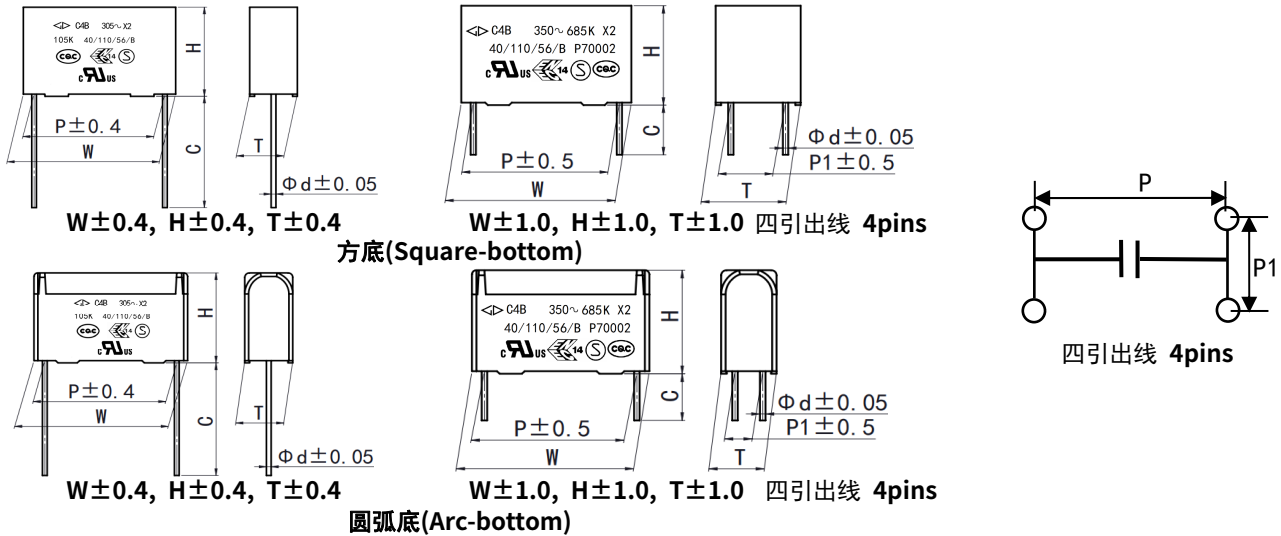


# 金属化聚丙烯膜抗干扰电容器(X2 类, 305Vac/350Vac, THB 防潮系列)

## 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
- 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

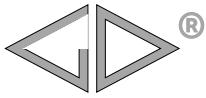
- Metallized polypropylene structure
- Withstanding overvoltage stressing
- Excellent active and passive flame resistant abilities
- High stability of capacitance under severe ambient condition, such as high temperature and high humidity
- Used in across-the-line, interference suppression circuit

### 安全认证 Safety Approvals

●		CQC (中国)	IEC 60384-14:2013, X2, 305Vac&350Vac, 0.010 $\mu$ F ~ 25.0 $\mu$ F, 40/110/56/B 证书号(Certificate No.): CQC14001118716
●		ENEC-SEMKO (欧盟)	EN 60384-14:2013+A1:2016, X2, 305Vac&350Vac, 0.010 $\mu$ F ~ 25.0 $\mu$ F, 40/110/56/B 证书号(Certificate No.): SE/0366-6B
●		UL/CUL (美国/加拿大)	UL 60384-14:2014, CSA E60384-14:09, X2, 305Vac&350Vac, 0.010 $\mu$ F ~ 25.0 $\mu$ F, 40/110/56/B 证书号(File No.): E186600, CCN: FOWX2/8

### 技术要求 Specifications

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, 50Hz/60Hz	350Vac, 50Hz/60Hz	
最大连续直流电压 Maximum continuous DC voltage	560Vdc	630Vdc	
电容量范围 Capacitance Range	0.010 $\mu$ F ~ 25.0 $\mu$ F	0.010 $\mu$ F ~ 20.0 $\mu$ F	
电容量偏差 Capacitance Tolerance	$\pm 10\%$ (K), $\pm 20\%$ (M)		
耐电压 Voltage Proof	引线之间 Between Terminals:	4.3 $U_R$ (Vdc), 2s	
	极壳之间 Between Terminals To Case:	2 200Vac, 1min	
绝缘电阻 Insulation Resistance	$R \geq 15\ 000\ \Omega$ , $C_N \leq 0.33\ \mu\text{F}$ $RC_N \geq 5\ 000\text{s}$ , $C_N > 0.33\ \mu\text{F}$ (20°C, 100V, 1min)		
损耗角正切 Dissipation Factor( $\tan\delta$ )	$0.010\ \mu\text{F} \leq C_N \leq 1.0\ \mu\text{F}$	$\leq 15 \times 10^{-4}$ (20°C, 1kHz)	$\leq 40 \times 10^{-4}$ (20°C, 1kHz)
	$1.0\ \mu\text{F} < C_N \leq 10.0\ \mu\text{F}$	$\leq 30 \times 10^{-4}$ (20°C, 1kHz)	-----
	$C_N > 10.0\ \mu\text{F}$	$\leq 40 \times 10^{-4}$ (20°C, 1kHz)	-----
防潮测试 THB test (Damp heat test with loading)	Temperature: 85°C $\pm$ 2°C; Humidity: 85%RH $\pm$ 2%RH Voltage: 300Vac 50Hz; Duration: 1 000 hours( $C_N > 0.47\ \mu\text{F}$ ) Capacitance change( $\Delta C/C$ ): $\leq 10\%$ Dissipation factor change ( $\Delta \tan\delta$ ): $\leq 0.5\%$ (1kHz) Insulation resistance: $\geq 50\%$ of the rated value		



**C4B**  
Code:C4B(W/V)

■ **产品编码说明 Part number system**

■ 15 位产品代码如下:

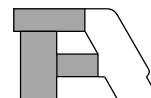
The 15 digits part number is formed as follow:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
C	4	B								W/V				

第 1~3 位	型号代码 <b>C4B</b>	Digit 1 to 3	Series code <b>C4B</b>
第 4~5 位	交流额定电压 <b>R2=350V Q2=305V</b>	Digit 4 to 5	AC rated voltage <b>R2=350V Q2=305V</b>
第 6~8 位	标称容量 举例: <b>103=10×10<sup>3</sup>pF=0.01μF</b>	Digit 6 to 8	Rated capacitance value for example: <b>103=10×10<sup>3</sup>pF=0.01μF</b>
第 9 位	容量偏差 <b>K=±10%, M=±20%</b>	Digit 9	Capacitance tolerance <b>K=±10%, M=±20%</b>
第 10 位	引线脚距 P <b>4=10.0mm 6=15.0mm 9=22.5mm</b> <b>B=27.5mm F=37.5mm M=52.5mm</b>	Digit 10	Pitch <b>4=10.0mm 6=15.0mm 9=22.5mm</b> <b>B=27.5mm F=37.5mm M=52.5mm</b>
第 11 位	内部特征码: <b>W 或 V</b>	Digit 11	Internal use: <b>W 或 V</b>
第 12~15 位	引线加工和包装代码	Digit 12 to 15	Lead form and packaging code

■ **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	F=7.5mm	0	表示直脚 straight	1	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)
		4	F=10.0mm			5	P3=25.4mm; H=18.5mm (For pitch=10.0/15.0mm) (Detail parameter refer to page 16)
		6	F=15.0mm				
C	直脚 Straight lead "C" in the figure above	代码 Code	说明 explanation	0		0	引线长度偏差±0.5mm 或标准长度 Length tolerance±0.5mm Or standard length
		00	标准的引线长度(18mm~26 mm) standard lead length				
		45	引线长度 4.5mm lead length 4.5mm				
D E M	软绝缘线(多股) Insulated stranded leads 硬绝缘线(单股) Insulated solid leads 软绝缘线(多股), 外壳带正底安装耳 Insulated stranded leads Box with mounting foot	C5	35mm	1		1	引线长度偏差 -5mm~0mm Length tolerance -5 mm~0 mm
		K0	100mm				
		K2	120mm				
		L0	200mm 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≥27.5mm 产品才可选用绝缘线方式 Note 2: Normally, for P≥27.5mm Caps can choice Insulated leads				
T 3	P1=20.3mm±0.5mm P1=20mm±0.5mm	45	引线长度 4.5mm lead length 4.5mm	0		0	引线长度偏差±0.5mm 或标准长度 Length tolerance±0.5mm Or standard length
		55	引线长度 5.5mm lead length 5.5mm				

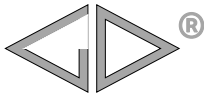


■ 外形尺寸 Dimensions(mm)

305Vac						
C <sub>N</sub> (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 <sub>N</sub> (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 Note: 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(见表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.



**C4B**  
Code:C4B(W/V)

■ 外形尺寸 Dimensions(mm)

350Vac						
C <sub>N</sub> (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	C4BR2154-6V****
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	C4BR2224-6V****
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	C4BR2154-9V****
0.18	26.5	16.0	7.0	22.5	0.8	C4BR2184-9V****
0.22	26.5	16.0	7.0	22.5	0.8	C4BR2224-9V****
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	C4BR2334-9V****
0.39M	26.5	17.0	8.5	22.5	0.8	C4BR2394M9W****
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	C4BR2474K9W****
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 <sub>N</sub> (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 Note: 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(见表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.