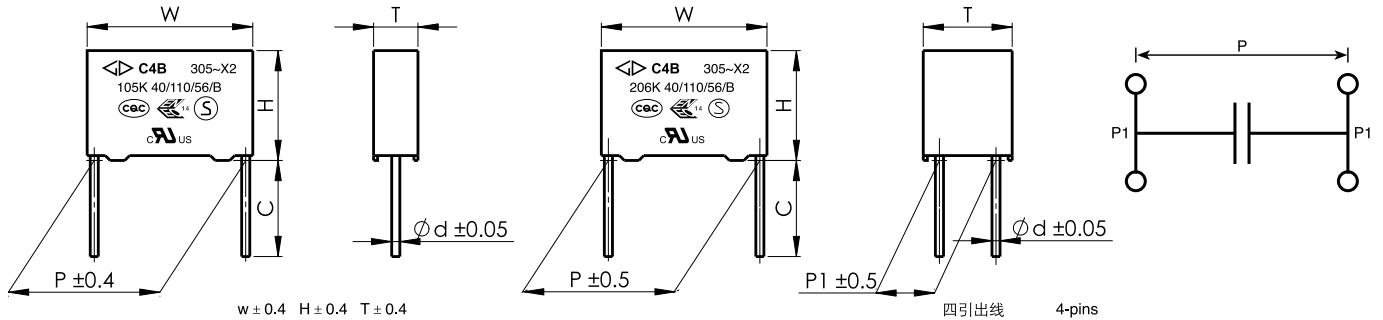


# 金属化聚丙烯膜抗干扰电容器 ( X2类, 305Vac/350Vac, THB防潮系列 ) Metallized polypropylene film Interference Suppression capacitor ( Class X2, 305Vac/350Vac, Temperature Humidity Bias (THB) series )

## 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: FOWX2/8

## 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℃ ~ +110℃		
额定电压 Rated Voltage	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:	$C_N \leq 10.0\mu F$ : 1 800Vdc (2s) $C_N > 10.0\mu F$ : 1 700Vdc (2s) or 1 505Vdc (1min)	
	极壳之间 Between Terminals To Case:	2 200Vac (1min)	
绝缘电阻 Insulation Resistance	$R \geq 15\ 000M\Omega$ , $C_N \leq 0.33\mu F$ $RC_N \geq 5\ 000s$ , $C_N > 0.33\mu F$ (20℃, 100V, 1min)		
损耗角正切 Dissipation Factor	$0.10\mu F \leq C_N \leq 1.0\mu F$	$\leq 15 \times 10^{-4}$ (1kHz, 20℃)	$\leq 40 \times 10^{-4}$ (10kHz, 20℃)
	$1.0\mu F < C_N \leq 10.0\mu F$	$\leq 30 \times 10^{-4}$ (1kHz, 20℃)	-----
	$C_N > 10.0\mu F$	$\leq 40 \times 10^{-4}$ (1kHz, 20℃)	-----
防潮测试 THB test (Damp heat test with loading)	Temperature: 85℃ ± 2℃ ; Humidity: 85%RH ± 2% RH Voltage: 300Vac 50Hz; Duration: 1 000 hours ( $C_N > 0.47\mu F$ ) Capacitance change ( $\Delta C/C$ ): ≤ 10% Dissipation factor change ( $\Delta tg \delta$ ): ≤ 0.5% (1kHz) Insulation resistance: ≥ 50% of the rated value		



**C4B**  
Code: C4B(W)

**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 C4B	Digit 1 to 3	Series code C4B
第4~5位	交流额定电压 R2=350V Q2=305V	Digit 4 to 5	AC rated voltage R2=350V Q2=305V
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=52.5mm	Digit 10	Pitch 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	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	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 00 45	说明 explanation 标准的引线长度 (18mm~26mm) standard lead length 引线长度 4.5mm lead length 4.5mm			0	引线长度偏差 ± 0.5mm 或标准长度 Length tolerance ± 0.5mm Or standard length
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 K0 K2 L0	35mm 100mm 120mm 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 ≥ 27.5 产品才可选用绝缘线方式 Note 2: Normally, for P ≥ 27.5 Caps can choice Insulated leads.			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
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 <sub>N</sub> (μF)	W	H	T	P	d	Part number
0.10	17.5	11.0	5.0	15.0	0.6	C4BQ2104-6W****+++
0.12	17.5	12.0	6.0	15.0	0.6	C4BQ2124-6W****+++
0.15	17.5	12.0	6.0	15.0	0.6	C4BQ2154-6W****+++
0.18	17.5	13.5	7.5	15.0	0.6	C4BQ2184-6W****+++
0.22	17.5	13.5	7.5	15.0	0.6	C4BQ2224-6W****+++
0.27	17.5	14.5	8.5	15.0	0.6	C4BQ2274-6W****+++
0.33	17.5	14.5	8.5	15.0	0.6	C4BQ2334-6W****+++
0.39	17.5	16.0	10.0	15.0	0.8	C4BQ2394-6W****+++
0.47	17.5	19.0	11.0	15.0	0.8	C4BQ2474-6W****+++
0.33	26.5	15.0	6.0	22.5	0.8	C4BQ2334-9W****+++
0.39	26.5	16.0	7.0	22.5	0.8	C4BQ2394-9W****+++
0.47	26.5	17.0	8.5	22.5	0.8	C4BQ2474-9W****+++
0.56	26.5	17.0	8.5	22.5	0.8	C4BQ2564-9W****+++
0.68	26.5	18.5	10.0	22.5	0.8	C4BQ2684-9W****+++
0.82	26.5	18.5	10.0	22.5	0.8	C4BQ2824-9W****+++
1.0	26.5	20.0	11.0	22.5	0.8	C4BQ2105-9W****+++
1.2	26.5	22.0	12.0	22.5	0.8	C4BQ2125-9W****+++
1.5	26.5	23.0	13.5	22.5	0.8	C4BQ2155-9W****+++
1.8	26.5	24.5	15.5	22.5	0.8	C4BQ2185-9W****+++
2.2	26.5	29.5	14.5	22.5	0.8	C4BQ2225-9W****+++
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	18.0	9.0	27.5	0.8	C4BQ2684-BW****+++
0.82	32.0	18.0	9.0	27.5	0.8	C4BQ2824-BW****+++
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****+++
3.3	32.0	30.0	16.0	27.5	0.8	C4BQ2335-BW****+++
3.9	32.0	33.0	18.0	27.5	0.8	C4BQ2395-BW****+++
4.7M	32.0	33.0	18.0	27.5	0.8	C4BQ2475MBW****+++
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****+++
6.8M	32.0	37.0	22.0	27.5	0.8	C4BQ2685MBW****+++
1.5	41.0	22.0	11.0	37.5	1.0	C4BQ2155-FW****+++
1.8	41.0	22.0	11.0	37.5	1.0	C4BQ2185-FW****+++
2.2	41.0	24.0	13.0	37.5	1.0	C4BQ2225-FW****+++
2.7	41.0	24.0	13.0	37.5	1.0	C4BQ2275-FW****+++
3.3	42.0	28.0	14.0	37.5	1.0	C4BQ2335-FW****+++
3.9	41.0	30.0	16.0	37.5	1.0	C4BQ2395-FW****+++
4.7M	41.0	30.0	16.0	37.5	1.0	C4BQ2475MFW****+++
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	22.0	37.5	1.0	C4BQ2825-FW****+++
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***+++
20.0	57.0	45.0	30.0	52.5	1.2	C4BQ2206-MWT***+++
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)



**C4B**  
Code: C4B(W)

■ 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	13.5	7.5	15.0	0.6	C4BR2154-6W****+++
0.18	17.5	14.5	8.5	15.0	0.6	C4BR2184-6W****+++
0.22	17.5	14.5	8.5	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	15.0	6.0	22.5	0.8	C4BR2154-9W****+++
0.18	26.5	15.0	6.0	22.5	0.8	C4BR2184-9W****+++
0.22	26.5	15.0	6.0	22.5	0.8	C4BR2224-9W****+++
0.27	26.5	16.0	7.0	22.5	0.8	C4BR2274-9W****+++
0.33	26.5	16.0	7.0	22.5	0.8	C4BR2334-9W****+++
0.39	26.5	17.0	8.5	22.5	0.8	C4BR2394-9W****+++
0.47M	26.5	17.0	8.5	22.5	0.8	C4BR2474M9W****+++
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	18.5	10.0	22.5	0.8	C4BR2684M9W****+++
0.68K	26.5	20.0	11.0	22.5	0.8	C4BR2684K9W****+++
0.82	26.5	20.0	11.0	22.5	0.8	C4BR2824-9W****+++
1.0	26.5	22.0	12.0	22.5	0.8	C4BR2105-9W****+++
1.2	26.5	23.0	13.5	22.5	0.8	C4BR2125-9W****+++
1.5	26.5	24.5	15.5	22.5	0.8	C4BR2155-9W****+++
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	20.0	11.0	27.5	0.8	C4BR2105MBW****+++
1.0K	32.0	22.0	13.0	27.5	0.8	C4BR2105KBW****+++
1.2	32.0	22.0	13.0	27.5	0.8	C4BR2125-BW****+++
1.5	32.0	25.0	13.0	27.5	0.8	C4BR2155-BW****+++
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****+++

350Vac						
C <sub>N</sub> (μF)	W	H	T	P	d	Part number
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****+++
4.7	32.0	37.0	22.0	27.5	0.8	C4BR2475-BW****+++
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	24.0	13.0	37.5	1.0	C4BR2185-FW****+++
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	22.0	37.5	1.0	C4BR2685MFW****+++
6.8K	41.0	37.0	26.0	37.5	1.0	C4BR2685KFW****+++
8.2	41.0	41.0	26.0	37.5	1.0	C4BR2825-FW****+++
10.0	42.0	45.0	30.0	37.5	1.0	C4BR2106-FW****+++
15.0	57.0	45.0	30.0	52.5	1.2	C4BR2156-MWT***+++
18.0	57.0	45.0	35.0	52.5	1.2	C4BR2186-MWT***+++
20.0	57.0	50.0	35.0	52.5	1.2	C4BR2206-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)