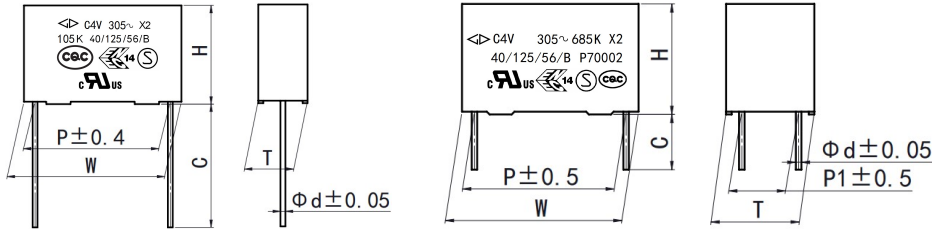


金属化聚丙烯膜抗干扰电容器(X2类, THB防潮系列, 125°C) Metallized polypropylene film interference suppression capacitor (Class X2, Temperature Humidity Bias (THB) series, 125°C)

■ 外形图 Outline Drawing



W±0.4, H±0.4, T±0.4
方底(Square-bottom)

W±0.4, H±0.4, T±0.4
圆弧底(Arc-bottom)

■ 特点

- 高温金属化聚丙烯膜: 125°C
- 在严苛的环境下(如高温高湿)长期应用容量稳定性优异
- 自愈性能优异, 能承受浪涌电压冲击
- 优异的阻燃性能

■ Features

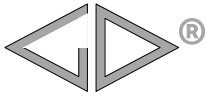
- High temperature metallized polypropylene film:125°C
- High stability of capacitance under severe ambient condition, such as high temperature and high humidity
- Good self-healing properties, withstanding surge voltage stressing
- Excellent active and passive flame resistant abilities

■ 安全认证 Safety Approvals

●		CQC (中国)	IEC 60384-14:2013+AMD1:2016, X2, 305Vac/275Vac, 0.01μF ~ 10.0μF, 40/125/56/B 证书号(Certificate No.): CQC22001327447
●		ENE-C-SEMKO (欧盟)	EN 60384-14:2013+A1:2016, X2, 305Vac/275Vac, 0.01μF ~ 10.0μF, 40/125/56/B 证书号(Certificate No.): SE-ENEC-2200277
●		UL/CUL (美国/加拿大)	UL 60384-14, CSA E60384-1:14, CSA E60384-14:14, X2, 305Vac/275Vac, 0.01μF ~ 10.0μF, 40/125/56/B 证书号(File No.): E186600, CCN: FOWX2/8

■ 技术要求 Specifications

引用标准 Reference Standard	GB/T 6346.14 (IEC60384-14)		
气候类别/阻燃等级 Climatic Category/Passive Flammability	40/125/56/B		
工作温度范围 Operating Temperature Range	-40°C ~ +125°C		
额定电压 Rated Voltage(U _R)	305Vac/275Vac, 50Hz/60Hz		
电容量范围 Capacitance Range	0.10μF ~ 6.8μF		
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 (Vdc), 2s	
	极壳之间 Between Terminals To Case:	2 120Vac, 1min	
绝缘电阻 Insulation Resistance	R ≥ 15 000MΩ,	C _N ≤ 0.33μF	(20°C, 100V, 1min)
	RC _N ≥ 5 000s,	C _N > 0.33μF	
损耗角正切 Dissipation Factor(tanδ)	C _N ≤ 1.0μF	≤ 10 × 10 ⁻⁴ (20°C, 1kHz)	≤ 20 × 10 ⁻⁴ (20°C, 10kHz)
	C _N > 1.0μF	≤ 20 × 10 ⁻⁴ (20°C, 1kHz)	≤ 40 × 10 ⁻⁴ (20°C, 10kHz)
耐湿负荷测试 THB test (Damp heat test with loading)	Temperature: 85°C ± 2°C; Humidity: 85%RH ± 2%RH Voltage: 240Vac 50Hz; Duration: 1 000 h Capacitance change(ΔC/C): ≤ 10% Dissipation factor change (Δtanδ): ≤ 0.015 (1kHz) Insulation resistance: ≥ 50% of the rated value		
注: 1. 推荐用于电网额定电压不超过250VAC场合; 2. 如果需要用到承载一定纹波电流场合, 建议选用C6A等专用的滤波电容器; 如有疑问, 请与我司技术工程师联系。	Recommend for max rated supply mains voltage 250Vac application; If used in application which has ripple current applied, recommend to use AC filter series: C6A etc; If have any questions please contact our technical engineer for more detail.		



C4V
Code:C4V(Z)

■ **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	V								Z				

第 1~3 位	型号代码	Digit 1 to 3	Series code
	C4V		C4V
第 4~5 位	交流额定电压	Digit 4 to 5	AC rated voltage
	Q2=305V P2=275V		Q2=305V P2=275V
第 6~8 位	标称容量	Digit 6 to 8	Rated capacitance value
	举例: 474=47 × 10⁴pF=0.47μF		for example: 474=47 × 10⁴pF=0.47μF
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
	6=15.0mm 9=22.5mm B=27.5mm F=37.5mm		6=15.0mm 9=22.5mm B=27.5mm F=37.5mm
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

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

第 12 位 Digit 12		第 13 位和第 14 位 Digit 13 and 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
C	直脚 Straight lead "C" in the figure above	00	标准的引线长度(18mm~26 mm) standard lead length	0	引线长度偏差±0.5mm 或标准长度 Length tolerance±0.5mm Or standard length
		45	引线长度 4.5mm lead length 4.5mm		

■ 外形尺寸 Dimensions(mm)

305Vac/275Vac [#]							305Vac/275Vac [#]						
C _N (μF)	W	H	T	P	d	Part number	C _N (μF)	W	H	T	P	d	Part number
0.10	17.5	12.0	6.0	15.0	0.6	C4VQ2104-6Z****	1.8M	32.0	22.0	13.0	27.5	0.8	C4VQ2185MBZ****
0.15	17.5	13.5	6.0	15.0	0.6	C4VQ2154-6Z****	1.8K	32.0	25.0	13.0	27.5	0.8	C4VQ2185KBZ****
0.22M	17.5	13.5	7.5	15.0	0.6	C4VQ2224M6Z****	2.2M	32.0	25.0	13.0	27.5	0.8	C4VQ2225MBZ****
0.22K	17.5	14.0	8.0	15.0	0.6	C4VQ2224K6Z****	2.2K	32.0	26.0	14.0	27.5	0.8	C4VQ2225KBZ****
0.33	17.5	15.0	9.0	15.0	0.6	C4VQ2334-6Z****	★2.7	32.0	27.0	16.0	27.5	0.8	C4VQ2275-BZ****
0.39	17.5	16.0	10.0	15.0	0.6	C4VQ2394-6Z****	3.3M	32.0	30.0	16.0	27.5	0.8	C4VQ2335MBW****
0.47	17.5	18.0	10.0	15.0	0.8	C4VQ2474-6Z****	3.3M	32.0	28.0	17.0	27.5	0.8	C4VQ2335MBZ****
0.56	17.5	19.0	11.0	15.0	0.8	C4VQ2564-6Z****	3.3K	32.0	29.0	19.0	27.5	0.8	C4VQ2335KBZ****
0.22	26.5	15.0	6.0	22.5	0.6	C4VQ2224-9Z****	3.9	32.0	33.0	18.0	27.5	0.8	C4VQ2395-BZ****
0.33	26.5	16.0	7.0	22.5	0.6	C4VQ2334-9Z****	4.7M	32.0	33.0	18.0	27.5	0.8	C4VQ2475MBZ****
0.39	26.5	16.0	7.0	22.5	0.6	C4VQ2394-9Z****	★4.7K	32.0	34.0	20.0	27.5	0.8	C4VQ2475KBZ****
0.47	26.5	17.0	7.5	22.5	0.8	C4VQ2474-9Z****	★5.6M	32.0	32.0	22.0	27.5	0.8	C4VQ2565MBZ****
0.56	26.5	17.0	8.5	22.5	0.8	C4VQ2564-9Z****	★5.6K	32.0	37.0	22.0	27.5	0.8	C4VQ2565KBZ****
0.68	26.5	18.5	9.0	22.5	0.8	C4VQ2684-9Z****	★6.8M	32.0	37.0	22.0	27.5	0.8	C4VQ2685MBZ****
0.82	26.5	18.5	10.0	22.5	0.8	C4VQ2824-9Z****	★2.2	41.0	26.0	12.0	37.5	1.0	C4VQ2225-FZ****
1.0	26.5	20.0	11.0	22.5	0.8	C4VQ2105-9Z****	★2.2	41.0	24.0	13.0	37.5	1.0	C4VQ2225-FW****
1.2	26.5	22.0	12.0	22.5	0.8	C4VQ2125-9Z****	2.7	42.0	28.0	14.0	37.5	1.0	C4VQ2275-FZ****
1.5M	26.5	22.0	13.0	22.5	0.8	C4VQ2155M9Z****	★2.7	41.0	26.0	15.0	37.5	1.0	C4VQ2275-FW****
1.5K	26.5	23.0	13.5	22.5	0.8	C4VQ2155K9Z****	3.3M	42.0	28.0	14.0	37.5	1.0	C4VQ2335MFZ****
1.8	26.5	24.5	14.5	22.5	0.8	C4VQ2185-9Z****	3.3K	41.0	30.0	16.0	37.5	1.0	C4VQ2335KFZ****
2.2	26.5	29.5	14.5	22.5	0.8	C4VQ2225-9Z****	★3.3M	41.0	26.0	15.0	37.5	1.0	C4VQ2335MFW****
0.47	32.0	18.0	9.0	27.5	0.8	C4VQ2474-BZ****	★3.3K	41.0	28.0	17.0	37.5	1.0	C4VQ2335KFW****
0.56	32.0	18.0	9.0	27.5	0.8	C4VQ2564-BZ****	3.9	41.0	30.0	16.0	37.5	1.0	C4VQ2395-FZ****
0.68	32.0	18.0	9.0	27.5	0.8	C4VQ2684-BZ****	★3.9	41.0	28.0	17.0	37.5	1.0	C4VQ2395-FW****
0.82	32.0	20.0	11.0	27.5	0.8	C4VQ2824-BZ****	4.7M	41.0	30.0	16.0	37.5	1.0	C4VQ2475MFZ****
1.0	32.0	20.0	11.0	27.5	0.8	C4VQ2105-BZ****	★4.7K	41.0	32.0	17.0	37.5	1.0	C4VQ2475KFZ****
1.2	32.0	22.0	11.0	27.5	0.8	C4VQ2125-BZ****	★5.6M	41.0	32.0	17.0	37.5	1.0	C4VQ2565MFZ****
1.5M	32.0	22.0	12.0	27.5	0.8	C4VQ2155MBZ****	5.6K	41.0	33.5	18.5	37.5	1.0	C4VQ2565KFZ****
1.5K	32.0	22.0	13.0	27.5	0.8	C4VQ2155KBZ****	6.8M	41.0	34.0	20.0	37.5	1.0	C4VQ2685MFZ****
							6.8K	41.0	37.0	22.0	37.5	1.0	C4VQ2685KFZ****

- 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. “#”当额定电压为 275Vac 时,第 4~5 位是 P2。“#” when the rated voltage is 275Vac, the digit 4~5 is P2.
 4. “★”表示外壳为圆弧底。“★”=Arc bottom of the outer shell.