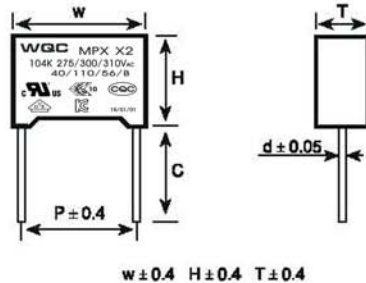


电容降压专用金属化聚丙烯膜交流电容器(X2类) Metallized polypropylene film A.C. capacitor for capacitive divider(Class X2)

■ 外形图 Outline Drawing



■ 特点

- 专门设计用于与100Vac~240Vac电源串联的电容降压电路场合，如电表、LED驱动模块等。
- 金属化聚丙烯膜
- 自愈性能优异，能承受浪涌电压冲击
- 长期负载下优异的电容容量稳定性
- 优异的防潮性能
- 优异的阻燃性能

■ Features

- This is specifically designed for applications in serial with the 100Vac~240Vac main, i.e.: capacitive divider, for example, energy meter, LED driver etc.
- Metallized polypropylene film
- Good self-healing properties,withstanding surge voltage stressing
- Long stability of capacitance
- Good properties in damp environment
- Excellent active and passive flame resistant abilities

■ 技术要求 Specifications

引用标准 Reference Standard	GB/T 14472 (IEC60384-14)		
安全认证 Safety Approvals	CQC 14001113971;ENEC-VDE:40040406; UL-CUL:E466405,CCN:FOWX2/8 KC:SU03073-14001/14002/14003		
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	275Vac,300Vac,310Vac, 50/60Hz		
电容量范围 Capacitance Range	0.1μF~3.3μF (可按要求制作其它电容量)(available on request)		
电容量偏差 Capacitance Tolerance	± 10%(K) (Other tolerance available on request)		
耐电压 Voltage Proof	引线之间 Between Terminals:	2 000(Vdc) (2s)	C _R < 1.0μF
		1 800(Vdc) (2s)	C _R > 1.0μF
	极壳之间 Between Terminals To Case:	2 120(Vac) (1min)	
承受的脉冲电压 Endure impulse voltage	2 500V		
绝缘电阻 Insulation Resistance	R > 15 000MΩ, RC > 5 000s,	C _R < 0.33μF C _R > 0.33μF	(20℃, 100V, 1min)
损耗角正切 Dissipation Factor	< 10 x 10 ⁻⁴ (1kHz, 20℃)		典型值 Typical value 3 x 10 ⁻⁴
	< 20 x 10 ⁻⁴ (10kHz, 20℃)		典型值 Typical value 8 x 10 ⁻⁴

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	2															

第 1~3 位 型号代码(Digit 1~3 Type Code):

型号代码:C42

第 4~5 额定电压代码(Digit 4~5 Rated Voltage Code):

	A	B	C	D	E	F	G	H	J	K	L	M	N
1			16	20				50	63			1100	
2	100	125	160	200	250	315	400	500	630	800	120		
3	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	1200	1400	
	P	Q	R	S	T	U	V	W	X	Y			
1	240	300	330	440	540	600	700	850	900				
2	275	305	350	450	520		760						
3	280	310		480									

说明: 参考日本 JIS 标准, 字母加数位表示交流, 数字加字母表示直流, 例如 A2 表示 100VAC, 2A 表示 100VDC

Explanation: Refer to JIS standard, Letter and then number indicate AC, but number and then Letter indicate DC, for example, 2A indicate 100VDC, A2 indicate 100VAC.

第 6~8 容值代码(Digit 6~8 Capacitance Expressed in 3-digit code 3 Code):

The first 2 digits indicate significant figures, and the third digit specifies the number of zero to follow.

前两位表示基数, 第三个数字表示其后零的个数

This gives the capacitance in picofarads. 容量值单位为皮法

For examples 举例: $102=10 \times 10^2 \text{PF}=1,000 \text{PF}=1.0 \text{nF}=0.001 \mu\text{F}$ $105=10 \times 10^5 \text{PF}=1,000,000 \text{PF}=1000 \text{nF}=1 \mu\text{F}$

第 9 容量偏差代码(Digit 9 Capacitance Tolerance Code):

公差 Tolerance	±5%	±10%
代码 Code	J	K

第 10~11 两个数位的脚距代码(Digit 10~11 Pitch expressed by Case two digits Code):

Box Type 盒装型

Pitch 脚距	7.5	10	12.5	15	20	22.5	27.5	37.5	42.5	55
Case No. 壳体代码	B*	C*	G*	D*	S*	E*	F*	J*	K*	P*

第 12 引线加工型代码(Digit 12 Lead Form Code):

Lead Type

Code 代码	L	H	K	N	M	T	S
Lead Type 引线型式	长脚	短脚	内弯青蛙脚	内弯直脚	外弯直脚	Taping	Customer Special Require

第 13~15 引线长度和偏差以 3 个数字代码表示

Digit 13~15 Lead Length(Straight) and Tolerance of Lead Length(straight): Expressed in 3-Letter Code

Example 举例: Code 代码 035:35/10=3.5mm 230:230/10=23mm

第 16~18 内部特征码

Digit 16~18 Internal use Code

■外形尺寸 Dimensioms(mm)

310Vac							
CN (μ F)	w	H	T	P	d	BOX TYPE	Part number
0.10	18.0	13.5	7.5	15.0	0.6	D3	C42Q3104KD3L23****
0.15	18.0	14.5	8.5	15.0	0.6	D4	C42Q3154KD4L23****
0.22	18.0	16.0	10.0	15.0	0.8	D5	C42Q3224KD5L23****
0.33	18.0	19.0	11.0	15.0	0.8	D7	C42Q3334KD7L23****
0.15	26.5	15.0	6.0	22.5	0.8	E1	C42Q3154KE1L23****
0.18	26.5	16.0	7.0	22.5	0.8	E2	C42Q3184KE2L23****
0.22	26.5	16.0	7.0	22.5	0.8	E2	C42Q3224KE2L23****
0.27	26.5	17.0	8.5	22.5	0.8	E3	C42Q3274KE3L23****
0.33	26.5	17.0	8.5	22.5	0.8	E3	C42Q3334KE3L23****
0.39	26.5	19.0	10.0	22.5	0.8	E4	C42Q3394KE4L23****
0.47	26.5	20.0	11.0	22.5	0.8	E5	C42Q3474KE5L23****
0.56	26.5	20.0	11.0	22.5	0.8	E5	C42Q3564KE5L23****
0.60	26.5	20.0	11.0	22.5	0.8	E5	C42Q3604KE5L23****
0.68	26.5	20.0	11.0	22.5	0.8	E5	C42Q3684KE5L23****
0.75	26.5	20.0	11.0	22.5	0.8	E5	C42Q3754KE5L23****
0.82	26.5	21.5	12.0	22.5	0.8	E6	C42Q3824KE6L23****
0.87	26.5	21.5	12.0	22.5	0.8	E6	C42Q3874KE6L23****
0.91	26.5	21.5	12.0	22.5	0.8	E6	C42Q3914KE6L23****
1.00	26.5	21.5	12.0	22.5	0.8	E6	C42Q3105KE6L23****
0.39	32.0	18.0	9.0	27.5	0.8	F5	C42Q3394KF5L23****
0.47	32.0	18.0	9.0	27.5	0.8	F5	C42Q3474KF5L23****
0.56	32.0	20.0	11.0	27.5	0.8	F1	C42Q3564KF1L23****
0.60	32.0	20.0	11.0	27.5	0.8	F1	C42Q3604KF1L23****
0.68	32.0	20.0	11.0	27.5	0.8	F1	C42Q3684KF1L23****
0.82	32.0	22.0	13.0	27.5	0.8	F2	C42Q3824KF2L23****
1.0	32.0	22.0	13.0	27.5	0.8	F2	C42Q3105KF2L23****
1.2	32.0	25.0	14.0	27.5	0.8	F3	C42Q3125KF3L23****
1.5	32.0	25.0	14.0	27.5	0.8	F3	C42Q3155KF3L23****
1.8	32.0	30.0	16.0	27.5	0.8	F4	C42Q3185KF4L23****
2.2	32.0	33.0	18.0	27.5	0.8	Fb	C42Q3225KFbL23****

1."****"表示内部特征代码.Internal use.

2.380Vac电源场合建议使用MKP65。详细请与技术人员联系。

if used in the 380Vac,Pls refer to MKP65 series.Pls contact our technical engineer for more details.