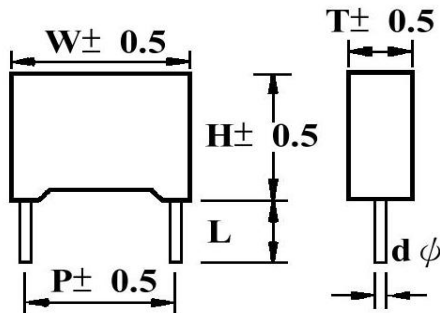


For Capacitive Divide Class-X2

降壓專用金屬化聚丙烯膜交流電容器 SMXJ series

■ 外觀圖 Outline Drawing



■ 主要用途

專門設計用於與 100~240Vac 電源串聯的電容降壓電路場合，如電表、LED 驅動模塊等。





■ 特點

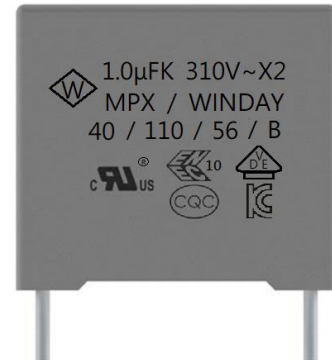
自愈性能優異，能承受浪涌電壓沖擊
長期負載下優異的電容量穩定性
優異的防潮性能

■ 結構組合

介質: 聚丙烯膜
電極: 金屬蒸鍍層
外殼: 阻燃 PBT 塑殼 (UL94 V-0)
封裝: 阻燃環氧樹脂 (UL94 V-0)
導線: 鍍錫銅包鋼線

■ 安全認證 Safety Approvals

UL, CSA UL60384-14, CSAC22.2	E302125	
ENEC(VDE), DIN EN 60384-14 : 2006-04 EN 60384-14 : 2005-08, IEC 60384-14 : (Ed 3)	40030283	
KC K60384-14	SU03034-12001C ; SU03034-12002C SU03034-12003C ; SU03034-12004C SU03034-17001A	
CQC GB/T 6346. 14-2015	CQC13001096493	



■ Typical Applications

This is specifically designed for applications in serial with the 100~240Vac MAIN, i.e.: Capacitive divider, for example, energy meter, LED driver etc.

■ Features

Good self-healing properties, with standing surge
Voltage stressing, Long stability of capacitance
Good properties in damp environment

■ Construction

Dielectric: Polypropylene film
Electrodes: Metal vapor coating
Case: Flame-retardant PBT (UL94 V-0)
Epoxy Resin coating (UL 94 V-0)
Lead: Tinned copper clad steel wire

For Capacitive Divide Class-X2

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■ 技術要求 Specifications

氣候類別 / 阻燃等級 Climatic Category / Passive Flammability Class	40/110/56/B
工作溫度範圍 Operating Temperature Range	-40°C~110°C
額定電壓 Rated Voltage	310Vac
電容量範圍 Capacitance Range	0.001 μ F(102)~4.7 μ F(475)
電容偏差 Capacitance Tolerance	$\pm 10\%$ (K) , $\pm 20\%$ (M)
絕緣電阻 Insulation Resistance	$C_R \leq 0.33\mu F$ IR $\geq 15,000M\Omega$ $C_R > 0.33\mu F$ IR $\geq 5,000M\Omega/Cap(\mu F)$
損耗角 Dissipation Factor	0.1% Max, at 1KHz and 25°C

■ 產品編碼說明 Product code system

19位產品代碼如下:



第 1~4 碼	薄膜電容器系列代碼 SMXJ = For Capacitive Divide Class-X2	Digit 1 to 4	Series code
第 5 碼	內部使用	Digit 5	Internal use
第 6~8 碼	標稱容量描述的三位數代碼 103=10000pF=10nF=0.01 μ F	Digit 6 to 8	Rated capacitance value
第 9 碼	容量偏差 $\pm 10\%$ (K) , $\pm 20\%$ (M)	Digit 9	Capacitance tolerance
第 10~13 碼	殼體型號	Digit 10 to 13	Case No.
第 14 碼	電壓代碼 A= AC , D=DC	Digit 14	Voltage code
第 15 碼	引線成形 Shown as Product code system	Digit 15	Lead forming
第 16~17 碼	引線間距 08=7.5mm , 15=15mm , 23=22.5mm	Digit 16 to 17	Lead pitch
第 18~19 碼	引線長度 04=3.5mm , 06=6mm , 15=15mm	Digit 18 to 19	Lead length

Metallized Polypropylene Film A.C Capacitor
For Capacitive Divider Class-X2



降壓專用金屬化聚丙烯膜電容器 SMXJ series

■ 外型尺寸表 Dimensions (mm)

Pitch 10mm						
容量 μF	W	H	T	P	d	產品代碼 Part number
0.001	13	11	5	10	0.6	SMXJ_102KC2X1A*10**
0.0033	13	11	5	10	0.6	SMXJ_332KC2X1A*10**
0.0047	13	11	5	10	0.6	SMXJ_472KC2X1A*10**
0.0068	13	11	5	10	0.6	SMXJ_682KC2X1A*10**
0.01	13	11	5	10	0.6	SMXJ_103KC2X1A*10**
0.033	13	11	5	10	0.6	SMXJ_333KC2X1A*10**
0.047	13	12	6	10	0.6	SMXJ_473KC3XXA*10**
0.068	13	12	6	10	0.6	SMXJ_683KC3XXA*10**
0.1	13	12	6	10	0.6	SMXJ_104KC3XXA*10**
0.15	13	14	8	10	0.6	SMXJ_154KC5LTA*10**
0.22	13	14	8	10	0.6	SMXJ_224KC5LTA*10**

Pitch 22.5mm						
容量 μF	W	H	T	P	d	產品代碼 Part number
0.22	26.5	16.5	7	22.5	0.8	SMXJ_224KE2XXA*23**
0.33	26.5	17	8.5	22.5	0.8	SMXJ_334KE3XXA*23**
0.47	26.5	19	10	22.5	0.8	SMXJ_474KE4X5A*23**
0.68	26.5	19	10	22.5	0.8	SMXJ_684KE4XXA*23**
1.0	26.5	19	10	22.5	0.8	SMXJ_105KE4XXA*23**
1.2	26	20	11	22.5	0.8	SMXJ_125KE5XXA*23**
1.5	26.5	23	13	22.5	0.8	SMXJ_155KE7XXA*23**
1.8	26.5	25	15	22.5	0.8	SMXJ_185KE24LA*23**
2.2	26.5	23	13	22.5	0.8	SMXJ_225KE7XXA*23**
2.2	26.5	24.5	15.5	22.5	0.8	SMXJ_225KE24LA*23**

Pitch 15mm						
容量 μF	W	H	T	P	d	產品代碼 Part number
0.01	18	11	5	15	0.8	SMXJ_103KD1XXA*15**
0.033	18	11	5	15	0.8	SMXJ_333KD1XXA*15**
0.047	18	11	5	15	0.8	SMXJ_473KD1XXA*15**
0.056	18	11	5	15	0.8	SMXJ_563KD1XXA*15**
0.068	18	11	5	15	0.8	SMXJ_683KD1XXA*15**
0.1	18	12	6	15	0.8	SMXJ_104KD2X5A*15**
0.15	18	12	6	15	0.8	SMXJ_154KD2X5A*15**
0.22	18	12	6	15	0.8	SMXJ_224KD2X5A*15**
0.22	18	13.5	7.5	15	0.8	SMXJ_224KD3XXA*15**
0.22	18	14.5	8.5	15	0.8	SMXJ_224KD4XXA*15**
0.33	18	14.5	8.5	15	0.8	SMXJ_334KD4XXA*15**
0.33	18	15.5	9.5	15	0.8	SMXJ_334KD5XXA*15**
0.47	18	15.5	9.5	15	0.8	SMXJ_474KD5XXA*15**
0.47	18	19	10.8	15	0.8	SMXJ_474KD7XXA*15**
0.68	18	19	10.8	15	0.8	SMXJ_684KD7XXA*15**

Pitch 27.5mm						
容量 μF	W	H	T	P	d	產品代碼 Part number
0.47	31.5	19.5	10.8	27.5	0.8	SMXJ_474KF1XXA*28**
0.68	31.5	19.5	10.8	27.5	0.8	SMXJ_684KF1XXA*28**
1.0	31.5	19.5	10.8	27.5	0.8	SMXJ_105KF1XXA*28**
1.0	31.5	21.5	13	27.5	0.8	SMXJ_105KF2XXA*28**
1.2	31.5	19.5	10.8	27.5	0.8	SMXJ_125KF1XXA*28**
1.5	31.5	19.5	10.8	27.5	0.8	SMXJ_155KF1XXA*28**
1.8	31.5	21.5	13	27.5	0.8	SMXJ_185KF2XXA*28**
2.2	31	25	14	27.5	0.8	SMXJ_225KF3XXA*28**
2.2	32	28	18	27.5	0.8	SMXJ_225KF13XA*28**
3.3	32	28	18	27.5	0.8	SMXJ_335KF13XA*28**
3.3	31	31	22	27.5	0.8	SMXJ_335KF8XXA*28**

Other Pitch						
容量 μF	W	H	T	P	d	產品代碼 Part number
4.7	38	30	20	31.5	0.8	SMXJ_475KTB20A*32**
4.7	41.5	35.5	22.5	37.5	0.8	SMXJ_475KJ20LA*38**

_ = Internal use * = Lead forming ** = Lead length