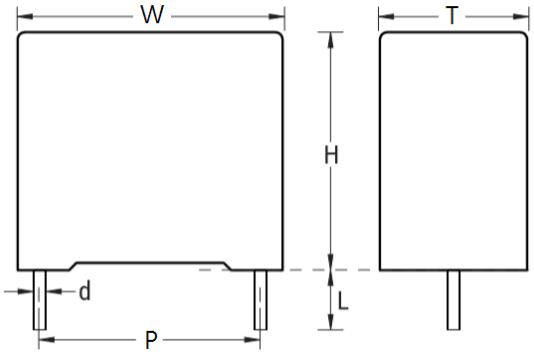
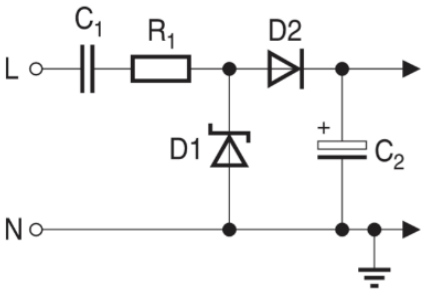
電容降壓用交流電容器 (X2 類) - SMXJ series

AC Capacitor For Capacitive Divider, Class X2

■ **外形圖 Outline Drawing (For Example)**



電容 C_1 用作分壓器 The C_1 works as a voltage divider



■ **典型應用**

典型應用包括與電源串聯、電容式電源和電表，特別是在惡劣環境條件下的汽車應用中。

■ **Typical Applications**

Typical applications include connection in series with The mains, capacitive power supplies and energy meters, with special emphasis in automotive applications for severe ambient conditions.

■ **特徵**

金屬化聚丙烯薄膜徑向鍍錫引線，
電容器封裝在自熄耐溶劑塑料殼中，
採用符合 UL 94 V-0 要求的熱固性樹脂材料。

■ **Features**

Metallized polypropylene film with radial leads of tinned wire. The capacitor is encapsulated in a self-extinguishing Solvent resistant plastic case with thermosetting resin material meeting UL 94 V–0 requirements.

■ **規格 Specifications**

參考標準 Reference Standard		GB/T 6346.14 (IEC 60384-14)
容量範圍 Capacitance Range		0.01μF ~ 2.2μF
容量誤差 Capacitance Tolerance		±10% (K)
額定電壓 Rated Voltage (U_R)		275Vac
氣候類別 Climatic Category		40/100/21
工作溫度範圍 Operating Temperature Range		-40℃~100℃
被動可燃性等級 Passive Flammability Class		C
耐電壓 Voltage Proof	引線間 Between Terminals	U_R x 4.3 (DC), 60s
	引線與外殼間 Between Terminal and Case	U_R x 200%+1500Vac, 60sec.
損耗因素 Dissipation Factor		≤ 10 x 10^{-4} at 1kHz, (1Vrms Max. at 20℃)
絕緣電阻 Insulation Resistance		C_R ≤ 0.33Mf, IR ≥ 15000MΩ C_R > 0.33Mf, IR x C_R ≥ 5000s (100Vdc, 60sec / 20℃)

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■ 尺寸 Dimensions (mm)

275Vac / 310Vac						
Cap. μF	W	H	T	P	d	Part number
0.01	13	9	4	10	0.6	SMXJ_103KC1XXA*10**
0.022	13	11	5	10	0.6	SMXJ_223KC2X1A*10**
0.033	13	12	6	10	0.6	SMXJ_333KC3XXA*10**
0.047	13	12	6	10	0.6	SMXJ_473KC3XXA*10**
0.01	18	11	5	15	0.8	SMXJ_103KD1XXA*15**
0.015	18	11	5	15	0.8	SMXJ_153KD1XXA*15**
0.022	18	11	5	15	0.8	SMXJ_223KD1XXA*15**
0.033	18	11	5	15	0.8	SMXJ_333KD1XXA*15**
0.047	18	11	5	15	0.8	SMXJ_473KD1XXA*15**
0.068	18	12	6	15	0.8	SMXJ_683KD2XXA*15**
0.1	18	13.5	7.5	15	0.8	SMXJ_104KD3XXA*15**
0.15	18	14.5	8.5	15	0.8	SMXJ_154KD4XXA*15**
0.22	18	15.5	9.5	15	0.8	SMXJ_224KD5XXA*15**
0.33	18	19	10.8	15	0.8	SMXJ_334KD7XXA*15**
0.15	26.5	15	6	22.5	0.8	SMXJ_154KE1XXA*23**
0.18	26.5	16.5	7	22.5	0.8	SMXJ_184KE2XXA*23**
0.22	26.5	16.5	7	22.5	0.8	SMXJ_224KE2XXA*23**
0.27	26.5	17	8.5	22.5	0.8	SMXJ_274KE3XXA*23**
0.33	26.5	17	8.5	22.5	0.8	SMXJ_334KE3XXA*23**
0.39	26.5	19	10	22.5	0.8	SMXJ_394KE4XXA*23**
0.47	26.5	19	10	22.5	0.8	SMXJ_474KE4XXA*23**
0.56	26.5	19	10	22.5	0.8	SMXJ_564KE4XXA*23**
0.60	26	20	11	22.5	0.8	SMXJ_604KE5XXA*23**
0.68	26	20	11	22.5	0.8	SMXJ_684KE5XXA*23**
0.75	26	20	11	22.5	0.8	SMXJ_754KE5XXA*23**
0.82	26	21.5	12	22.5	0.8	SMXJ_824KE6XXA*23**
0.87	26	21.5	12	22.5	0.8	SMXJ_874KE6XXA*23**
0.91	26	21.5	12	22.5	0.8	SMXJ_914KE6XXA*23**
1.0	26	21.5	12	22.5	0.8	SMXJ_105KE6XXA*23**

275Vac / 310Vac						
Cap. μF	W	H	T	P	d	Part number
0.39	31	18	9	27.5	0.8	SMXJ_394KF5XXA*28**
0.47	31	18	9	27.5	0.8	SMXJ_474KF5XXA*28**
0.56	31.5	19.5	10.8	27.5	0.8	SMXJ_564KF1XXA*28**
0.60	31.5	19.5	10.8	27.5	0.8	SMXJ_604KF1XXA*28**
0.68	31.5	19.5	10.8	27.5	0.8	SMXJ_684KF1XXA*28**
0.82	31.5	21.6	13	27.5	0.8	SMXJ_824KF2XXA*28**
1.0	31.5	21.6	13	27.5	0.8	SMXJ_105KF2XXA*28**
1.2	31	25	14	27.5	0.8	SMXJ_125KF3XXA*28**
1.5	31	25	14	27.5	0.8	SMXJ_155KF3XXA*28**
1.8	32	25.5	16	27.5	0.8	SMXJ_185KF4XXA*28**
2.2	32	28	18	27.5	0.8	SMXJ_225KF4XXA*28**

(1) The symbol * means style of lead forming

(2) The symbol ** means the lead length