

X2 series / Interference Suppression Capacitor

■ General Technical Characteristics 一般特性

Metallized polypropylene film
 金属化聚丙烯膜
 Miniature size, high stability capacitance and DF versus wide temperature and frequency range
 体积小、宽温度、频率范围内容量DF具高稳定性
 Self-healing property
 自愈性
 Real long-term stability
 长时间工作稳定性
 Flame retardant plastic cases and epoxy resin. (Compliance with UL94V-0)
 阻燃性塑料壳与环氧树脂

■ Electrical Characteristics 电气特性

Reference Standard 引用标准: IEC60384-14
 Climatic Category 气候类别: 40/110/56/B
 Operating Temperature Range: -40°C ~ +110°C
 工作温度范围:
 Rated Voltage 额定电压: 310VAC, 50/60Hz
 Capacitance Range 电容量范围: 0.001μF ~ 2.2μF
 Capacitance Tolerance 电容量偏差: ±10%(K), ±20%(M)
 Dissipation Factor 损耗角正切: ≤0.1%max Measured at 1KHz and 25°C
 Dielectric Strength 耐电压: Applied 1500VDC for 1 minute or 2000VDC for 1 sec.
 Insulation Resistance 绝缘电阻: ≥15000MΩ, for C_N≤0.33μF
 ≥5000s, for C_N>0.33μF Measured at 20°C, 100V and 1 min.

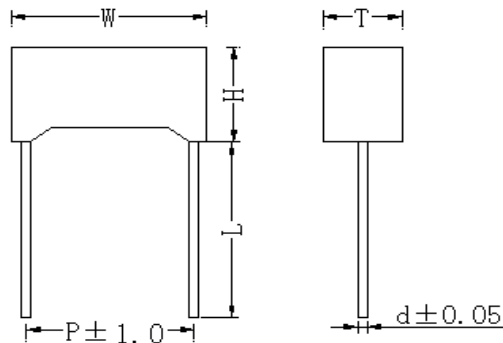
■ Typical Applications 典型应用

Suitable for using in Line-By-Pass, Antenna Coupling, Across-The Line and Spark killer circuits
 适用于旁路、天线耦合、电源跨接线路和火花消除电路
 Available for EMI filter, switching power supply, radio, monitor and television applications
 适用于EMI滤波和开关电源、无线设备、马达与电视应用

■ Safety Approval 安全认证

UL, VDE, ENEC, KC, CQC

■ Outline Drawing 外形图 (Unit: mm)



■ Part Number System 产品编码说明

K3X	P2	104	K	F	L	0	20	***
型号代码	额定电压	标称容量	容量偏差	引线脚距 P	引线加工/包装代码	引线加工脚距	引线长度	内部编码
Series Code:	Voltage:	Capacitance:	Cap. Tol.:	Lead Space:	Lead form and	Lead form F:	Lead length:	Internal
K3X:	Q3: 310VAC	103: 0.01μF	K: ± 10%	F: 10.0mm	packaging code:	0: none	05: 5mm	code
X2 Series		104: 0.1μF	M: ± 20%	H: 15.0mm	D: insulated	D: 5.0mm	20: 20mm	
		105: 1.0μF		J: 22.5mm	stranded leads	E: 7.5mm		
				L: 27.5mm	E: insulated solid	F: 10.0mm		
				N=32.5mm	leads	H: 15.0mm		
					L: straight lead			
					K: lead kinked			
					T: ammo-pack			

■ Electrical Specification & Part Numbers Reference 规格型号参考

Cap. (μ F)	310VAC (mm)					Part Number
	W	H	T	P	d	
0.001	13.0	9.0	4.0	10.0	0.6	K3XQ3102*****
0.0012	13.0	9.0	4.0	10.0	0.6	K3XQ3122*****
0.0015	13.0	9.0	4.0	10.0	0.6	K3XQ3152*****
0.0018	13.0	9.0	4.0	10.0	0.6	K3XQ3182*****
0.0022	13.0	9.0	4.0	10.0	0.6	K3XQ3222*****
0.0027	13.0	9.0	4.0	10.0	0.6	K3XQ3272*****
0.0033	13.0	9.0	4.0	10.0	0.6	K3XQ3332*****
0.0039	13.0	9.0	4.0	10.0	0.6	K3XQ3392*****
0.0047	13.0	11.0	5.0	10.0	0.6	K3XQ3472*****
0.0056	13.0	11.0	5.0	10.0	0.6	K3XQ3562*****
0.0068	13.0	11.0	5.0	10.0	0.6	K3XQ3682*****
0.0082	13.0	11.0	5.0	10.0	0.6	K3XQ3822*****
0.01	13.0	11.0	5.0	10.0	0.6	K3XQ3103*****
0.012	13.0	11.0	5.0	10.0	0.6	K3XQ3123*****
0.015	13.0	11.0	5.0	10.0	0.6	K3XQ3153*****
0.018	13.0	12.0	6.0	10.0	0.6	K3XQ3183*****
0.022	13.0	12.0	6.0	10.0	0.6	K3XQ3223*****
0.027	13.0	12.0	6.0	10.0	0.6	K3XQ3273*****
0.033	13.0	12.0	6.0	10.0	0.6	K3XQ3333*****
0.033	18.0	11.0	5.0	15.0	0.6	K3XQ3333*****
0.039	18.0	11.0	5.0	15.0	0.6	K3XQ3393*****
0.047	13.0	12.0	6.0	10.0	0.6	K3XQ3473*****
0.047	18.0	11.0	5.0	15.0	0.8	K3XQ3473*****
0.056	18.0	12.0	6.0	15.0	0.8	K3XQ3563*****
0.068	18.0	12.0	6.0	15.0	0.8	K3XQ3683*****
0.082	18.0	12.0	6.0	15.0	0.8	K3XQ3823*****
0.1	18.0	12.0	6.0	15.0	0.8	K3XQ3104*****
0.1	18.0	13.5	6.0	15.0	0.8	K3XQ3104*****
0.12	18.0	13.5	7.5	15.0	0.8	K3XQ3124*****
0.15	18.0	13.5	7.5	15.0	0.8	K3XQ3154*****
0.15	18.0	14.5	7.5	15.0	0.8	K3XQ3154*****
0.15	26.5	15.0	6.0	22.5	0.8	K3XQ3154*****
0.18	18.0	14.5	8.5	15.0	0.8	K3XQ3184*****
0.18	26.5	16.5	7.0	22.5	0.8	K3XQ3184*****
0.22	18.0	14.5	8.5	15.0	0.8	K3XQ3224*****
0.22	26.5	16.5	7.0	22.5	0.8	K3XQ3224*****
0.27	26.5	17.0	8.5	22.5	0.8	K3XQ3274*****
0.33	18.0	16.0	10.0	15.0	0.8	K3XQ3334*****
0.33	26.5	16.5	7.5	22.5	0.8	K3XQ3334*****
0.33	26.5	17.0	8.5	22.5	0.8	K3XQ3334*****
0.39	26.5	19.0	10.0	22.5	0.8	K3XQ3394*****
0.47	18.5	19.0	10.0	15.0	0.8	K3XQ3474*****
0.47	26.5	17.0	8.5	22.5	0.8	K3XQ3474*****
0.47	26.5	19.0	10.0	22.5	0.8	K3XQ3474*****
0.47	32.0	20.0	11.0	27.5	0.8	K3XQ3474*****
0.56	26.5	19.0	10.0	22.5	0.8	K3XQ3564*****
0.56	32.0	20.0	11.0	27.5	0.8	K3XQ3564*****
0.68	26.5	19.0	10.0	22.5	0.8	K3XQ3684*****
0.68	32.0	20.0	11.0	27.5	0.8	K3XQ3684*****
0.82	32.0	22.0	13.0	27.5	0.8	K3XQ3824*****
1.0	26.5	23.0	14.0	22.5	0.8	K3XQ3105*****
1.0	32.0	20.0	11.0	27.5	0.8	K3XQ3105*****
1.0	32.0	23.0	13.0	27.5	0.8	K3XQ3105*****
1.0	37.0	25.0	13.0	32.5	0.8	K3XQ3105*****
1.2	32.0	25.0	15.0	27.5	0.8	K3XQ3125*****
1.2	37.0	25.0	13.0	32.5	0.8	K3XQ3125*****
1.5	32.0	28.0	17.0	27.5	0.8	K3XQ3155*****
1.5	37.0	26.0	15.0	32.5	0.8	K3XQ3155*****
1.8	32.0	28.0	17.0	27.5	0.8	K3XQ3185*****
1.8	38.0	26.0	17.0	32.5	0.8	K3XQ3185*****
2.2	32.0	28.0	17.0	27.5	0.8	K3XQ3225*****
2.2	32.0	30.0	15.0	27.5	0.8	K3XQ3225*****
2.2	37.0	29.0	19.0	32.5	0.8	K3XQ3225*****

备注: 1. "*****" = Capacitance tolerance code, Pitch, Lead form and packaging code, Lead form, Lead length, Internal code.

"*****" 表示容量偏差, 引线脚距, 引线加工和包装代码, 引线加工脚距, 引线长度, 内部编码。

2. Customization for special specification and requirement is available.