

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

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

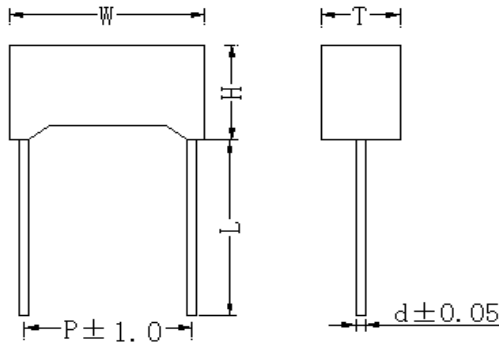
Safety Approval 安全认证

UL, VDE, ENEC, KC, CQC

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: 250VAC/275VAC/310VAC, 50/60Hz
 Capacitance Range 电容范围: 0.001μF ~ 2.2μF
 Capacitance Tolerance 电容偏差: ±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.

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:	E2: 250VAC	103: 0.01μF	K: ± 10%	F: 10.0mm	packaging code:	0: none	05: 5mm	code
X2 Series	P2: 275VAC	104: 0.1μF	M: ± 20%	H: 15.0mm	D: insulated	D: 5.0mm	20: 20mm	
	Q3: 310VAC	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. (μF)	250VAC/275VAC/310VAC (mm)					Part Number
	W	H	T	P	d	
0.001	13.0	9.0	4.0	10.0	0.6	K3XP2102*****
0.0012	13.0	9.0	4.0	10.0	0.6	K3XP2122*****
0.0015	13.0	9.0	4.0	10.0	0.6	K3XP2152*****
0.0018	13.0	9.0	4.0	10.0	0.6	K3XP2182*****
0.0022	13.0	9.0	4.0	10.0	0.6	K3XP2222*****
0.0027	13.0	9.0	4.0	10.0	0.6	K3XP2272*****
0.0033	13.0	9.0	4.0	10.0	0.6	K3XP2332*****
0.0039	13.0	9.0	4.0	10.0	0.6	K3XP2392*****
0.0047	13.0	11.0	5.0	10.0	0.6	K3XP2472*****
0.0056	13.0	11.0	5.0	10.0	0.6	K3XP2562*****
0.0068	13.0	11.0	5.0	10.0	0.6	K3XP2682*****
0.0082	13.0	11.0	5.0	10.0	0.6	K3XP2822*****
0.01	13.0	11.0	5.0	10.0	0.6	K3XP2103*****
0.012	13.0	11.0	5.0	10.0	0.6	K3XP2123*****
0.015	13.0	11.0	5.0	10.0	0.6	K3XP2153*****
0.018	13.0	12.0	6.0	10.0	0.6	K3XP2183*****
0.022	13.0	12.0	6.0	10.0	0.6	K3XP2223*****
0.027	13.0	12.0	6.0	10.0	0.6	K3XP2273*****
0.033	13.0	12.0	6.0	10.0	0.6	K3XP2333*****
0.033	18.0	11.0	5.0	15.0	0.6	K3XP2333*****
0.039	18.0	11.0	5.0	15.0	0.6	K3XP2393*****
0.047	13.0	12.0	6.0	10.0	0.6	K3XP2473*****
0.047	18.0	11.0	5.0	15.0	0.8	K3XP2473*****
0.056	18.0	12.0	6.0	15.0	0.8	K3XP2563*****
0.068	18.0	12.0	6.0	15.0	0.8	K3XP2683*****
0.082	18.0	12.0	6.0	15.0	0.8	K3XP2823*****
0.1	18.0	12.0	6.0	15.0	0.8	K3XP2104*****
0.1	18.0	13.5	6.0	15.0	0.8	K3XP2104*****
0.12	18.0	13.5	7.5	15.0	0.8	K3XP2124*****
0.15	18.0	13.5	7.5	15.0	0.8	K3XP2154*****
0.15	18.0	14.5	7.5	15.0	0.8	K3XP2154*****
0.15	26.5	15.0	6.0	22.5	0.8	K3XP2154*****

Cap. (μF)	250VAC/275VAC/310VAC (mm)					Part Number
	W	H	T	P	d	
0.18	18.0	14.5	8.5	15.0	0.8	K3XP2184*****
0.18	26.5	16.5	7.0	22.5	0.8	K3XP2184*****
0.22	18.0	14.5	8.5	15.0	0.8	K3XP2224*****
0.22	26.5	16.5	7.0	22.5	0.8	K3XP2224*****
0.27	26.5	17.0	8.5	22.5	0.8	K3XP2274*****
0.33	18.0	16.0	10.0	15.0	0.8	K3XP2334*****
0.33	26.5	16.5	7.5	22.5	0.8	K3XP2334*****
0.33	26.5	17.0	8.5	22.5	0.8	K3XP2334*****
0.39	26.5	19.0	10.0	22.5	0.8	K3XP2394*****
0.47	18.5	19.0	10.0	15.0	0.8	K3XP2474*****
0.47	26.5	17.0	8.5	22.5	0.8	K3XP2474*****
0.47	26.5	19.0	10.0	22.5	0.8	K3XP2474*****
0.47	32.0	20.0	11.0	27.5	0.8	K3XP2474*****
0.56	26.5	19.0	10.0	22.5	0.8	K3XP2564*****
0.56	32.0	20.0	11.0	27.5	0.8	K3XP2564*****
0.68	26.5	19.0	10.0	22.5	0.8	K3XP2684*****
0.68	32.0	20.0	11.0	27.5	0.8	K3XP2684*****
0.82	32.0	22.0	13.0	27.5	0.8	K3XP2824*****
1.0	26.5	23.0	14.0	22.5	0.8	K3XP2105*****
1.0	32.0	20.0	11.0	27.5	0.8	K3XP2105*****
1.0	32.0	23.0	13.0	27.5	0.8	K3XP2105*****
1.0	37.0	25.0	13.0	32.5	0.8	K3XP2105*****
1.2	32.0	25.0	15.0	27.5	0.8	K3XP2125*****
1.2	37.0	25.0	13.0	32.5	0.8	K3XP2125*****
1.5	32.0	28.0	17.0	27.5	0.8	K3XP2155*****
1.5	37.0	26.0	15.0	32.5	0.8	K3XP2155*****
1.8	32.0	28.0	17.0	27.5	0.8	K3XP2185*****
1.8	38.0	26.0	17.0	32.5	0.8	K3XP2185*****
2.2	32.0	28.0	17.0	27.5	0.8	K3XP2225*****
2.2	32.0	30.0	15.0	27.5	0.8	K3XP2225*****
2.2	37.0	29.0	19.0	32.5	0.8	K3XP2225*****

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.