



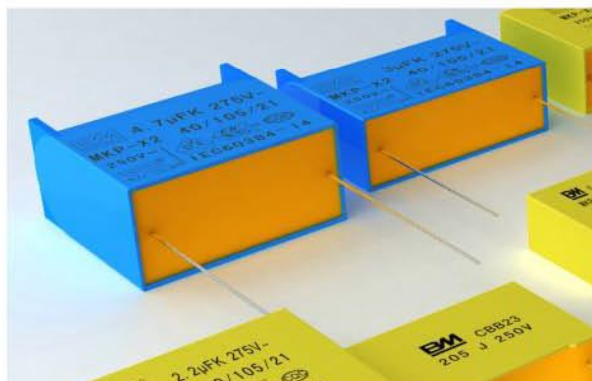
抑制电源电磁干扰用安规电容器

SAFETY APPROVALS CAPACITORS FOR
INTERFERENCE SUPPRESSION

MKP-X2

标准系列X2型产品，多国认证，容量可高达10 μ F，采用高分子聚丙烯薄膜介质、加厚型金属化电极、全自动喷焊工艺、94V0级阻燃PBT塑壳、环氧树脂密封，耐压高、暂态脉冲电压承受能力强。广泛用于电源并联跨线回路，抑制电磁干扰。

The products of standard series X2 type with safety approvals, Capacitance range up to 10 μ F. They are made of metalized polymer polypropylene film with forced edge electrode by evaporation full automatic spray- metal process, 94V-0 level flame retardant PBT plastic box and epoxy resin sealed. They are of high voltage proof, withstand transient high impulse voltage, and widely used to across-the-line circuit in power mains for EMI application.

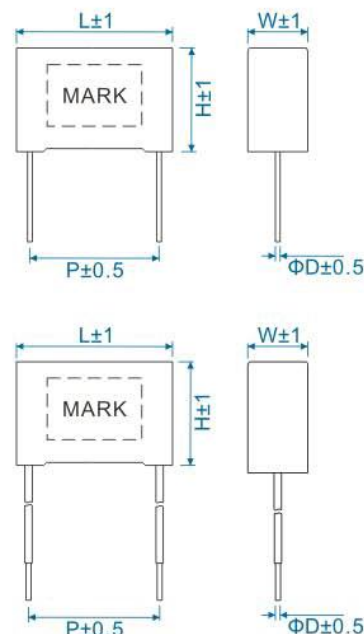


认证标志 Safety approvals	CQC、UL&CUL、VDE&ENEC、KC
执行标准 Implemented standard	GB/T14472-1998, UL60384-14, IEC60384-14
气候类别 Climatic category	40/105/21/C(VDE, ENEC, CQC) 40/110/56/B(UL&CUL)
认证类别 Subclass	X2
额定电压 Rated voltage	250 / 275 / 310VAC (50/60Hz)
容量范围 Capacitance range	0.01 μ F ~ 10 μ F
容量偏差 Capacitance tolerance	$\pm 5\%$ (J), $\pm 10\%$ (K), $\pm 20\%$ (M)
耐电压 Voltage proof	极间 between terminals 4.3*U _R (VDC) / 10s 极壳 between terminals and case 2*U _R +1500(VAC) / 60s
绝缘电阻 Insulation resistance(20°C)	极间 between terminals $\geq 15000\text{M}\Omega$, C _R $\leq 0.33\mu\text{F}$ (100Vdc, 60s) $\geq 5000\text{S}$, C _R $> 0.33\mu\text{F}$ (100Vdc, 60s) 极壳 between terminals and case $\geq 30000\text{M}\Omega$ (100Vdc, 60s)
损耗角正切 Tangent of loss angle(20°C)	0.01 μF $\leq$ C _R $\leq$ 0.47 μF ≤ 0.002 (10KHz) 0.47 μF $<$ C _R $\leq$ 1 μF ≤ 0.001 (1KHz); ≤ 0.007 (10KHz) C _R $>$ 1 μF ≤ 0.002 (1KHz)
电压爬升率 Pulse rise time(dv/dt)	100V/ μ s Max

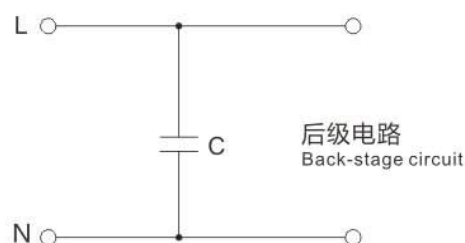
常用规格 Dimension

Unit : mm

Rated Cap.	L	W	H	P	Φ D
0.010 μ F	13.0	5.0	11.0	10.0	0.6
0.022 μ F	13.0	5.0	11.0	10.0	0.6
0.033 μ F	13.0	5.0	11.0	10.0	0.6
0.047 μ F	13.0	5.0	11.0	10.0	0.6
0.10 μ F	13.0	6.0	12.0	10.0	0.6
0.047 μ F	18.0	5.0	11.0	15.0	0.8
0.10 μ F	18.0	6.0	12.0	15.0	0.8
0.22 μ F	18.0	7.5	13.5	15.0	0.8
0.33 μ F	18.0	8.5	14.5	15.0	0.8
0.47 μ F	18.0	10.0	18.0	15.0	0.8
0.47 μ F	26.3	8.5	17.0	22.5	0.8
0.68 μ F	26.3	10.0	19.0	22.5	0.8
1.0 μ F	26.3	11.0	20.0	22.5	0.8
1.0 μ F	31.0	9.0	18.0	27.5	0.8
1.2 μ F	31.5	10.8	19.5	27.5	0.8
2.2 μ F	31.5	15.0	30.0	27.5	0.8
3.3 μ F	31.5	18.0	33.0	27.5	0.8
4.7 μ F	41.0	18.0	33.5	37.5	1.0
6.8 μ F	41.0	22.0	37.0	37.5	1.0
10.0 μ F	41.0	28.0	43.0	37.5	1.0



典型线路图
Typical circuit



C:抗电磁干扰电容
Interference suppression capacitor