



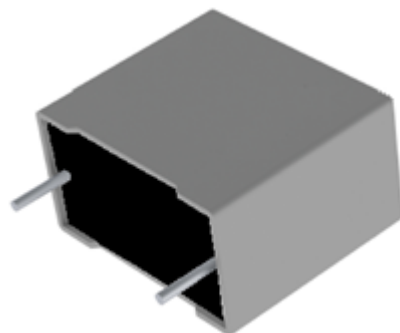
抑制电磁干扰电容器

Fixed capacitors for electromagnetic interference suppression ClassX1

型号 Type: MKP X1

金属化聚丙烯薄膜、阻燃塑壳封装、阻燃等级 UL94V-0 级

Non-inductive construction using metallized Polypropylene film with flame retardant plastic case and epoxy resin seal (UL94V-0).



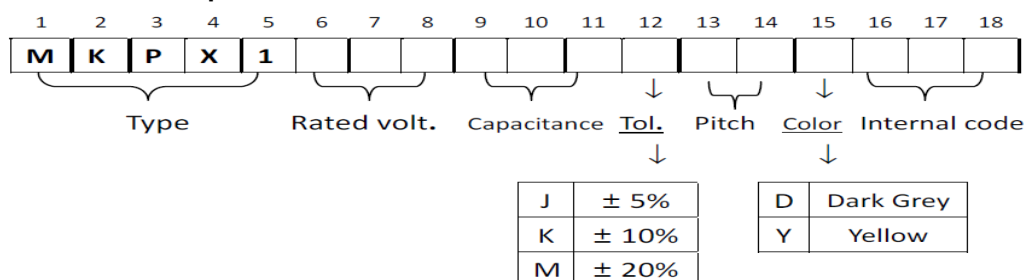
■特点 Features

- 耐高电压冲击 ●Resistant to high voltage shock
- 卓越的高频性能 ● Excellent high frequency performance
- 优良的温度特性 ● Excellent temperature characteristics
- 优异的阻燃性能 ● Excellent flame retardant properties

■用途 Applications

- 专门应用于高压脉冲电路中 ●应用于工业电器
- 应用于音频和视频电路 ●应用于家用电器和灯具
- 应用于电动工具和 EMI 滤波器
- 广泛应用于抗电磁干扰的电路中（抑制差模干扰）、电源跨线、电源滤波器跨线开关电源
- High-voltage pulse circuit Industrial electrical equipment
- Audio and video circuits Household appliances and lamps
- Power tools and EMI filters
- Widely used in anti-EMI circuits (suppress differential mode interference), power supply line, power filter cross-line switching power supply

■产品码构成 Explanation of numbers

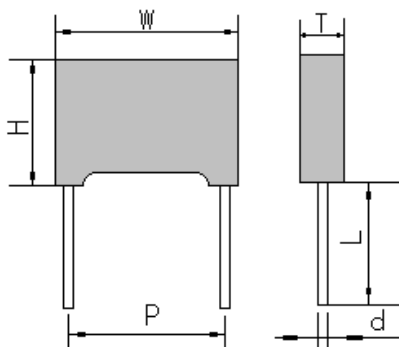


■技术规范 Specifications (IEC60384-14 GB/T6346.14 UL60384-14 EN60384-14)

温度范围 Temperature Range	-40℃ ~ +100℃(X1: 300Vac); -40℃ ~ +110℃ (X1: 440Vac)
额定电压 U_R Rated Voltage	X1: 300Vac, 440Vac
容量范围 C_R Capacitance Range	0.001μ F ~ 2.2μ F (at: 20℃、1KHz)
容量偏差 Capacitance Tolerance	J (±5%)、K (±10%)、M (±20%)
损耗角正切值 $\tan \delta$ Dissipation Factor	$C_R \leq 1\mu F$: 0.3% max (at: 20℃、10KHz) $C_R > 1\mu F$: 0.15% max (at: 20℃、1KHz)
耐电压 U_{TT} Voltage Proof	2200Vdc 2S
绝缘电阻 I_R Insulation Resistance	$C_R \leq 0.33\mu F$ $I_R \geq 15000M\Omega$ $C_R > 0.33\mu F$ $I_R > 5000S$ (at: 20℃、100Vdc、60S)
脉冲电压 U_P Pulse Voltage	$C_R \leq 1\mu F$: U_P 4000V _P $C_R > 1\mu F$: U_P 4000/ $\sqrt{C_R}$ V _P



■外形图OUTLINE DRAWING



■尺寸 Dimensions

产 品 码	容 量 (μF)	尺 寸 (mm)					备 注
		P ± 1	W ± 0.5	H ± 0.5	T ± 0.5	$\Phi d\pm 0.05$	
U _R =300Vac							
MKPX1300472□10□□□	0.0047	10	13	9	4	0.6	
MKPX1300562□10□□□	0.0056	10	13	9	4	0.6	
MKPX1300682□10□□□	0.0068	10	13	11	4	0.6	
MKPX1300103□10□□□	0.01	10	13	11	4	0.6	
MKPX1300103□15□□□	0.01	15	18	11	5	0.8	
MKPX1300333□10□□□	0.033	10	13	11	5	0.6	
MKPX1300333□15□□□	0.033	15	18	11	5	0.8	
MKPX1300473□15□□□	0.047	15	18	11	5	0.8	
MKPX1300104□15□□□	0.1	15	18	12	6	0.8	
MKPX1300154□22□□□	0.15	22.5	26.5	15	6	0.8	
MKPX1300224□22□□□	0.22	22.5	26.5	16.5	7	0.8	
MKPX1300334□15□□□	0.33	15	18	18	10	0.8	
MKPX1300334□22□□□	0.33	22.5	26.5	16.5	7	0.8	
MKPX1300474□22□□□	0.47	22.5	26.5	17	8.5	0.8	
MKPX1300684□27□□□	0.68	27.5	32	20	11	0.8	
MKPX1300105□27□□□	1.0	27.5	32	23	13	0.8	
MKPX1300155□27□□□	1.5	27.5	32	25	14	0.8	
MKPX1300225□27□□□	2.2	27.5	31.5	27.5	17.5	0.8	
U _R =440Vac							
MKPX1440102□10□□□	0.001	10	13	9	4	0.6	
MKPX1440472□10□□□	0.0047	10	13	9	4	0.6	
MKPX1440103□10□□□	0.01	10	13	9	4	0.6	
MKPX1440153□10□□□	0.015	10	13	11	5	0.6	
MKPX1440223□10□□□	0.022	10	13	12	6	0.6	
MKPX1440223□15□□□	0.022	15	18	11	5	0.8	
MKPX1440333□15□□□	0.033	15	18	11	5	0.8	
MKPX1440473□15□□□	0.047	15	18	11	5	0.8	
MKPX1440683□15□□□	0.068	15	18	12	6	0.8	
MKPX1440104□15□□□	0.1	15	18	13	7	0.8	
MKPX1440154□15□□□	0.15	15	18	14.5	8.5	0.8	
MKPX1440154□22□□□	0.15	22.5	26	15	6	0.8	
MKPX1440224□15□□□	0.22	15	18	16	10	0.8	
MKPX1440224□22□□□	0.22	22.5	26.5	16.5	7	0.8	
MKPX1440334□22□□□	0.33	22.5	26.5	17	8.5	0.8	
MKPX1440474□22□□□	0.47	22.5	26	20	11	0.8	
MKPX1440474□27□□□	0.47	27.5	32	20	11	0.8	
MKPX1440684□27□□□	0.68	27.5	32	22	11	0.8	
MKPX1440105□27□□□	1.0	27.5	32	25	14	0.8	
MKPX1440155□27□□□	1.5	27.5	32	27.5	17.5	0.8	
MKPX1440225□31□□□	2.2	31	38	30	20	0.8	