

X2-MKP-RC 金属化聚丙烯抗干电容器

Metalized polypropylene film interference suppression capacitor

安规电容器

X2-MKP-RC

Safety capacitor

特点与用途 FEATURES & APPLICATION

- 金属化聚丙烯膜
 - 优良自愈能力
 - 能承受过压冲击
 - 优良的阻燃性能 (UL94-v0)
 - 广泛应用于电源跨接线路等抗干扰场合
- Metallized polypropylene film.
 - Excellent self-healing properties.
 - Can bear over voltage impulse.
 - Excellent active and passive flame resistant abilities (UL94-V0).
 - Widely use in across-the-line, interference suppression circuit etc.

认证 CERTIFICATION



技术参数 TECHNICAL PARAMETER

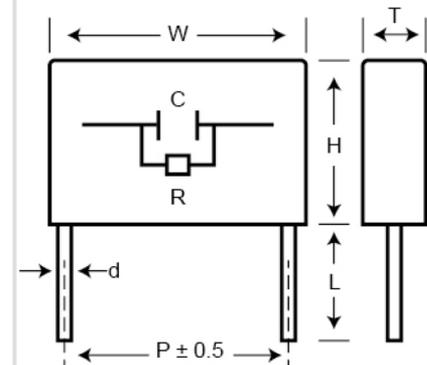
产品类别 Products Category	X2-MKP	
引用标准 Reference Standard	GB/T14472 (IEC 60384-14)	
气候类型 Climatic Category	40/100/56 50/60HZ	
额定电压 Rated Voltage	310VAC ,275VAC or 630VDC (50/60HZ)	
容量范围 Capacitance range	0.01 μ F~2.2 μ F	
容量偏差 Capacitance Tolerance	\pm 10% (K), \pm 20%(M)	
耐电压 Voltage Proof	极间耐压 Between Terminals	1800VDC (2S)
	极壳耐压 Between Terminals To Case	2100VAC (60S)
损耗角正切 Dissipation factor	$C_r < 1\mu$ F: DF \leq 2.0% (10KHZ 20 \pm 5 $^{\circ}$ C)	
	$C_r \geq 1\mu$ F: DF \leq 3.0% (10KHZ 20 \pm 5 $^{\circ}$ C)	

Environmental Test Data

Test	IEC Publication	Procedure
Vibration	IEC 60068-2-6 Test FC	3 directions at 2 hours each 10-500HZ at 0.75 mm
Endurance	IEC 60384-14	1.25*Un 50HZ ,once every hour increase to 1000VAC for 0.1 second , 1000 hours at 100 $^{\circ}$ C \pm 3 $^{\circ}$ C
Bump	IEC 60068-2-29 Test Eb	1000 bumps at 390m/s ²
Change of temperature	IEC 60068-2-14 Test Eb	+100 $^{\circ}$ C and -40 $^{\circ}$ C 5 cycles
Active flammability	IEC 60384-14	VR +20 surge pulses at 2.5kv (pulse every 5seconds)
Passive flammability	IEC 60384-14	IEC 60384-1, IEC 60695-11-5 needle-flame test
Damp heat steady state	IEC 60068-2-78 Test Cab	+40 $^{\circ}$ C and 93% RH , 56 days



外形图 APPEARANCE



X2-MKP 金属化聚丙烯抗干电容器

Metalized polypropylene film interference suppression capacitor

特点与用途 FEATURES & APPLICATION

- 金属化聚丙烯膜
- 优良自愈能力
- 高的dv/dt 能力
- 能承受过压冲击
- 优良的阻燃性能 (UL94-v0)
- 广泛应用于电源跨接线路等抗干扰场合
- Metallized polypropylene film.
- Excellent self-healing properties.
- High dv/dt capability.
- Can bear over voltage impulse.
- Excellent active and passive flame resistant abilities (UL94-V0).
- Widely use in across-the-line, interference suppression circuit etc.

认证 CERTIFICATION

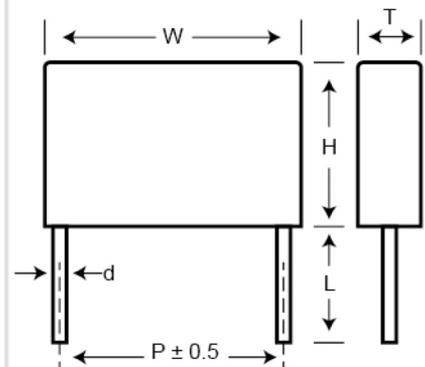


技术参数 TECHNICAL PARAMETER

产品类别 Products Category	X2-MKP	
引用标准 Reference Standard	GB/T14472 (IEC 60384-14)	
气候类型 Climatic Category	40/100/56 50/60HZ	
额定电压 Rated Voltage	310VAC ,275VAC or 630VDC (50/60HZ)	
容量范围 Capacitance range	0.01 μ F~2.2 μ F	
容量偏差 Capacitance Tolerance	\pm 10% (K) , \pm 20%(M)	
耐电压 Voltage Proof	极间耐压 Between Terminals	2000VDC (2S)
	极壳耐压 Between Terminals To Case	2100VAC (60S)
绝缘电阻 Insulation Resistance	\geq 30000M Ω (CR \leq 0.33 μ F)	(20 $^{\circ}$ C,1min at 100VDC)
	\geq 7500s (CR>0.33 μ F)	
损耗角正切 Dissipation factor	Cr < 1 μ F : DF \leq 2.0 % (10KHZ 20 \pm 5 $^{\circ}$ C)	
	Cr \geq 1 μ F : DF \leq 3.0 % (10KHZ 20 \pm 5 $^{\circ}$ C)	
Environmental Test Data		
Test	IEC Publication	Procedure
Vibration	IEC 60068-2-6 Test FC	3 directions at 2 hours each 10-500HZ at 0.75 mm
Endurance	IEC 60384-14	1.25*Un 50HZ ,once every hour increase to 1000VAC for 0.1 second , 1000 hours at 100 $^{\circ}$ C \pm 3 $^{\circ}$ C
Bump	IEC 60068-2-29 Test Eb	1000 bumps at 390m/s ²
Change of temperature	IEC 60068-2-14 Test Eb	+100 $^{\circ}$ C and -40 $^{\circ}$ C 5 cycles
Active flammability	IEC 60384-14	VR +20 surge pulses at 2.5kv (pulse every 5seconds)
Passive flammability	IEC60384-14	IEC 60384-1, IEC 60695-11-5 needle-flame test
Damp heat steady state	IEC 60068-2-78 Test Cab	+40 $^{\circ}$ C and 93% RH , 56 days



外形图 APPEARANCE



产品尺寸表 SIZE TABLE

容量 (μF)	电压 AC	外壳尺寸 CASE SIZE (mm)			间距 (mm)	DV/DT
	voltage	Width (±10%)	Height (±10%)	Depth (±10%)	Pitch (±0.5)	V/us
0.01	275	13	11	5	10	100
0.01	275	18	11	5	15	100
0.015	275	13	11	5	15	100
0.015	275	18	11	5	14	100
0.022	275	13	11	5	15	100
0.022	275	18	11	5	15	100
0.033	275	13	11	5	15	100
0.033	275	18	11	5	15	100
0.047	275	13	11	5	15	100
0.047	275	18	11	5	15	100
0.068	275	13	12	6	15	100
0.068	275	18	11	5	15	100
0.1	275	13	13	7	22.5	100
0.1	275	18	12	6	22.5	100
0.22	275	18	13	7	22.5	100
0.33	275	18	14.5	8.5	22.5	100
0.47	275	18	16	10	22.5	100
0.47	275	26.5	17	8.5	22.5	100
0.68	275	26.5	19	10	22.5	100
1.0	275	26.5	19	10	22.5	100
1.5	275	26.5	22	12	22.5	100
2.2	275	32	22	13	27.5	100

RC- X2 金属化聚丙烯薄膜抗干扰阻容模块

Metalized polypropylene film interference suppression RC-unit

特点与用途 FEATURES & APPLICATION

- 金属化聚丙烯膜
 - 优良自愈能力，寿命长
 - 高的dv/dt 能力，能承受过压冲击
 - 优良的阻燃性能（UL94-v0）
 - 优异的抑制噪音，吸收尖峰能量和阻尼作用
 - 典型的应用包括接触器保护线路内使用，消除接触干扰抑制和瞬态抑制
- Metallized polypropylene film.
 - Excellent self-healing capacity, long service life.
 - High dv/dt capacity, can bear over voltage impulse.
 - Good flame resistance (UL94-V0).
 - Noise resistance, absorb peak energy and damping effect.
 - Typical application including contactor protection, reduce interference suppression during contacting and instant suppression.

认证 CERTIFICATION



技术参数 TECHNICAL PARAMETER

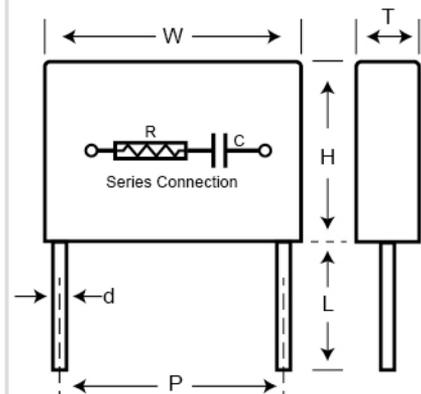
产品类别 Products Category	X2-MKP	
引用标准 Reference Standard	GB/T14472 (IEC 60384-14)	
气候类型 Climatic Category	40/85/56 B	
额定电压 Rated Voltage	300VAC or 630VDC (50/60HZ)	
容量范围 Capacitance range	0.01 μ F~0.47 μ F	
容量偏差 Capacitance Tolerance	\pm 10% (K), \pm 20% (M)	
电阻范围 Resistance range	33~470 Ω	
阻值偏差 Resistance Tolerance	\pm 1%, \pm 5%, \pm 10%, \pm 20%	
耐电压 Voltage Proof	极间耐压 Between Terminals	2000VDC (2S)
	极壳耐压 Between Terminals To Case	2100VAC (60S)
绝缘电阻 Insulation Resistance	\geq 15000M Ω (CR \leq 0.33 μ F)	(20 $^{\circ}$ C, 1min)
	\geq 5000s (CR $>$ 0.33 μ F)	
脉冲电流 Pulse current	最大电流: maximum 12A repetitive	
	峰值电流: maximum 20A peak for occasional	

Environmental Test Data

Test	IEC Publication	Procedure
Vibration	IEC 60068-2-6 Test FC	3 directions at 2 hours each 10-500HZ at 0.75 mm
Bump	IEC 60068-2-29 Test Eb	4000 bumps at 390m/s ²
Solderability	IEC 60068-2-20 Test Ta	Wetting time d or d > 0.8 < 1.5 seconds
Active flammability	IEC 60384-14	VR +20 surge pulses at 2.5kv (pulse every 5seconds)
Passive flammability	IEC 60384-14	IEC 60384-1, IEC 60695-11-5 needle-flame test
Damp heat steady state	IEC 60068-2-78 Test Cab	+40 $^{\circ}$ C and 93% RH, 56 days



外形图 APPEARANCE



电路结构图 Electrical Connection

