

金属化聚丙烯膜电容器(MPF)

Metallized Polypropylene Film Capacitors(MPF)

■采用标准reference standards

B10190(IEC384-16)

■结构

介质: 聚丙烯膜

封装: 阻燃粉末环氧树脂, 符合UL94 V-0

■特点及典型应用

体积小, 有良好自愈性能适用于开关电源, 电子整流器和变频器等直流滤波(PFC, DC-Link)

■符合ROHS标准

■structure

Dielectric: Polypropylene film

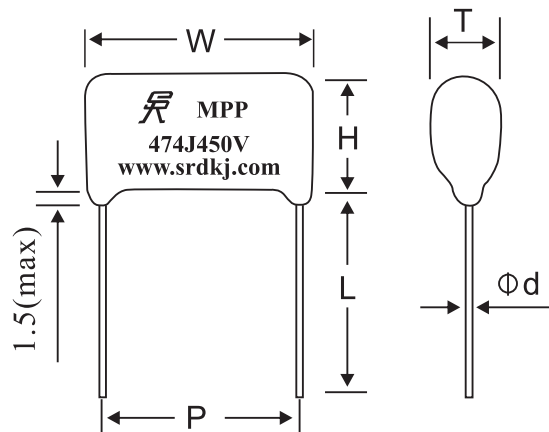
Encapsulation: inflame retardant power epoxy resin, conforming to UL94 V-0.

■characteristics and typical application

Small in size, good self-healing property, applicable for DC filter (PFC, DC-Link) like switching power supply, electronic rectifier, frequency converter etc.

■符合ROHS标准 conform to ROHS standards

■技术参数 technical parameter



气候条件 Climatic Conditions	-40+105°C/56d	
额定电压 Rated Voltage	450VDC、630VDC	
容量误差 allowable tolerance	J- ± 5% K- ± 10%	
容量范围 Capacitance Range	0.47 μ F-2.2 μ F	
耐电压 proof voltage	端子与端子: 1.6UR; 5S 端子与外壳: 2000VAC 5S	无击穿或飞弧 No breakdown or electric arcing
损耗角 Dissipation Factor	≤0.0100 1KHZ	20°C; 1V测试电压 20°C; 1V testing voltage
绝缘电阻 Insulation resistance	CR ≤ 0.33 μ F IR ≥ 25000MΩ CR > 0.33 μ F IR ≥ 7500S(MΩ. μ F)	充电电压charging voltage 100V 20°C; 充电1min测试后测得 testing time: 1 min later after charging
耐久性试验 durability test	+85(105)°C, 连续10000小时 施加电压: 1.25 × 额定电压 +85 (105) °C, 10000 hours continuously with voltage: 1.25 × rated voltage	绝缘电阻IR: ≥ 额定值的50% 电容量: ΔC/C ≤ 10% Insulation resistance IR: ≥ 50% of rated value Capacitance: ΔC/C ≤ 10%
噪音标准 noise standard	CAP ≤ 0.47 μ F 噪音noise < 55分贝decibel	CAP > 0.47 μ F 噪音noise < 70分贝decibe

MPF

Plastic Capacitors



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■规格尺寸表 specification table

容量 Cap. μF	成品编码 Part No.	外形尺寸(mm) Dimention				容量 Cap. μF	成品编码 Part No.	外形尺寸(mm) Dimention			
		Wmax	Tmax	Hmax	P±1.0			Wmax	Tmax	Hmax	P±1.0
450VDC											
0.22	MPF224J5130611####	13	6.5	11.5	10	1.5	MPF155J5241016####	23	9	15.5	20
0.27	MPF274J5130611####	13	6.5	12	15	1.8	MPF185J5241019####	23	9.5	18	20
0.33	MPF334J5190611####	18	6.5	11	15	2.0	MPF205J5241119####	23	10	18.5	20
0.39	MPF394J5190611####	18	6.5	11	15	2.2	MPF225J5241120####	23	11	19	20
0.47	MPF474J5190613####	18	6.5	13	15	2.5	MPF255J5241220####	23	12	20	20
0.56	MPF564J5190612####	18	6.5	13.5	15	2.7	MPF275J5241221####	23	12.5	20.5	20
0.68	MPF684J5190714####	18	7.5	14	15	3.0	MPF305J5291119####	28	11	19.5	25
0.82	MPF824J5190815####	18	8.5	15	15	3.3	MPF335J5291220####	28	12.5	20	25
1.0	MPF105J5190916####	18	9	16	15	3.9	MPF395J5291321####	28	13	21.5	25
1.2	MPF125J5191118####	18	10	17	15	4.7	MPF475J5291523####	28	14	22.5	25
630VDC											
0.1	MPF104J6190510####	18	5.5	10.5	15	0.56	MPF564J6191117####	18	10.5	17	15
0.12	MPF124J6190510####	18	6	11	15	0.68	MPF684J6191218####	18	11.5	18	15
0.15	MPF154J6190611####	18	6	11	15	0.82	MPF824J6241018####	23	9.5	18	20
0.18	MPF184J6190510####	18	6.5	11.5	15	1.0	MPF105J6241120####	23	11	19	20
0.22	MPF224J6190512####	18	6.5	13.5	15	1.2	MPF125J6241321####	23	12	20	20
0.27	MPF274J6190612####	18	7	14	15	1.5	MPF155J6241222####	23	13	23	20
0.33	MPF334J6190815####	18	8	15	15	1.8	MPF185J6241323####	23	14	24	20
0.39	MPF394J6190815####	18	8.5	15.5	15	2.0	MPF205J6241424####	24	15	25	20
0.47	MPF474J6191016####	18	10	16	15	2.2	MPF225J6241525####	24	15.5	25.5	20