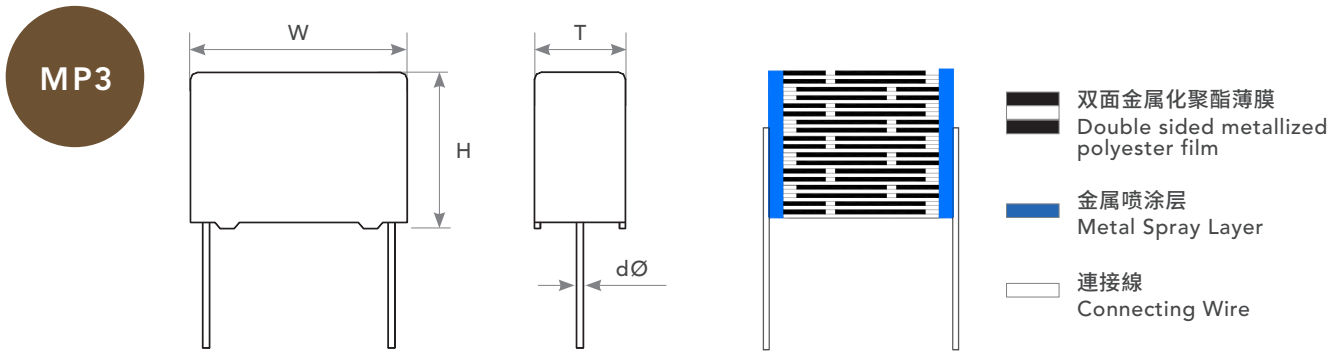


# 金属化聚丙烯薄膜电容器(MP3)

## METALLIZED POLYPROPYLENE FILM CAPACITOR-RADIAL(MP3)



### 结构 Construction:

- 电介质: 金属化聚丙烯薄膜  
Dielectric: Metallized Polypropylene Film
- 电极: 双面金属化聚酯薄膜  
Electrodes: Double sided metallized polyester film
- 绕卷: 无感式&内部串联连接  
Winding: non-inductive type internal series connection
- 导线: 镀锡线  
Leads: Tinned Wire
- 外层: 阻燃塑胶外壳, 环氧树脂填充  
Outer Coating: Flame retarding plastic case and epoxy filled

### 特点 Feature:

- 高频下低损耗  
Low Dissipation Factor at high frequency
- 优良电晕电压  
Excellent corona voltage
- 极高脉冲强度  
Very high pulse strength
- 小型尺寸  
Small in size

### 推荐应用 Recommended Application:

- 电子照明 (镇流器和汽车前照灯)  
Electronic lighting (ballast & car headlamp)
- 开关电源电路  
Switching power supply circuits
- 高交流电压和高电流脉冲应用  
Pulse applications with high AC voltage and high Current

### 电气特性 Electrical Characteristics:

引用标准 Related Documents	IEC 60384-17
额定电压 Rated Voltage	300VAC (800VDC), 400VAC (1200VDC), 500VAC (1600VDC), 700VAC (2000VDC), 900VAC (2200VDC)
额定温度 Rated Temperature	~+85°C for V <sub>R</sub> (DC), ~+105°C for V <sub>R</sub> (AC)
最大运行温度 Usable Upper Category Temperature	+110°C Derating ratio of rated voltage V <sub>R</sub> (DC) to +85°C~+110°C: 1.25% per °C for Rated Voltage V <sub>R</sub> (DC) Derating ratio of rated voltage V <sub>R</sub> (AC) to +105°C~+110°C: 1.25% per °C for Rated Voltage V <sub>R</sub> (AC)
容量范围 Capacitance Range	0.001μF ~ 0.1μF
容量误差 Capacitance Tolerance	±2% (G), ±3% (H), ±5% (J)
损耗角正切 Dissipation Factor	0.05% at 1Khz (C ≤ 0.1 uF) 0.10% at 100Khz (C ≤ 0.1 uF)
绝缘电阻 Insulation Resistance	Terminal to Terminal: (at 20°C ± 5°C), ≥ 50000MΩ for C ≤ 0.1μF at 100VDC x 1 minute

$c/$ Withstand Voltage	Terminal to Terminal: (at 20°C±5°C), 1.6 × V <sub>R</sub> applied for 2sec.					
$AkO/$ $a, \sim Ohg \ dV/dt \ (V/\mu s)$ Rated Voltage Pulse Slope $dV/dt \ (V/\mu s)$	Pitch \ V <sub>R</sub>	300 VAC	400 VAC	500 VAC	700 VAC	900 VAC
	15 mm	3000	3400	5000	9500	-----
	22.5 mm	1500	2200	3000	5000	10000

Cap. (μF) | S/(Y) Size unit: mm

R.V.	300VAC					
Size Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	OØ Part Number
0.01	18	11	5	15	0.8	MP3-103*0300AB*15*
0.012	18	11	5	15	0.8	MP3-123*0300AB*15*
0.015	18	11	5	15	0.8	MP3-153*0300AB*15*
0.018	18	12	6	15	0.8	MP3-183*0300AB*15*
0.022	18	13.5	7.5	15	0.8	MP3-223*0300AB*15*
0.027	18	13.5	7.5	15	0.8	MP3-273*0300AB*15*
0.033	18	13.5	7.5	15	0.8	MP3-333*0300AB*15*
0.039	18	14.5	8.5	15	0.8	MP3-393*0300AB*15*
0.047	18	16.5	10	15	0.8	MP3-473*0300AB*15*
0.056	18	16.5	10	15	0.8	MP3-563*0300AB*15*
0.056	26	16.5	7	22.5	0.8	MP3-563*0300AB*22*
0.068	26	16.5	7	22.5	0.8	MP3-683*0300AB*22*
0.082	26	17	8.5	22.5	0.8	MP3-823*0300AB*22*
0.1	26	19	10	22.5	0.8	MP3-104*0300AB*22*

R.V.	400VAC					
Size Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	OØ Part Number
0.001	13	9	4	10	0.6	MP3-102*0400AB*10*
0.0012	13	9	4	10	0.6	MP3-122*0400AB*10*
0.0015	13	9	4	10	0.6	MP3-152*0400AB*10*
0.0018	13	11	5	10	0.6	MP3-182*0400AB*10*
0.0022	13	11	5	10	0.6	MP3-222*0400AB*10*
0.0027	13	11	5	10	0.6	MP3-272*0400AB*10*
0.0033	13	11	5	10	0.6	MP3-332*0400AB*10*
0.0039	13	12	6	10	0.6	MP3-392*0400AB*10*
0.0047	13	13	7	10	0.6	MP3-472*0400AB*10*
0.0056	13	13	7	10	0.6	MP3-562*0400AB*10*
0.0068	18	11	5	15	0.8	MP3-682*0400AB*15*
0.0082	18	11	5	15	0.8	MP3-822*0400AB*15*
0.01	18	12	6	15	0.8	MP3-103*0400AB*15*
0.012	18	12	6	15	0.8	MP3-123*0400AB*15*
0.015	18	13.5	7.5	15	0.8	MP3-153*0400AB*15*
0.018	18	13.5	7.5	15	0.8	MP3-183*0400AB*15*
0.022	18	14.5	8.5	15	0.8	MP3-223*0400AB*15*
0.027	18	16.5	10	15	0.8	MP3-273*0400AB*15*
0.033	26	16.5	7	22.5	0.8	MP3-333*0400AB*22*
0.039	26	16.5	7	22.5	0.8	MP3-393*0400AB*22*
0.047	26	17	8.5	22.5	0.8	MP3-473*0400AB*22*
0.056	26	19	10	22.5	0.8	MP3-563*0400AB*22*
0.068	26	19	10	22.5	0.8	MP3-683*0400AB*22*
0.082	26	19	10	22.5	0.8	MP3-823*0400AB*22*
0.1	26	20	11	22.5	0.8	MP3-104*0400AB*22*

Cap. (μF) | 标准单位 (Size unit): mm

R.V.	500VAC						
Size Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number	
0.001	18	11	5	15	0.8	MP3-102*0500AB*15*	
0.0012	18	11	5	15	0.8	MP3-122*0500AB*15*	
0.0015	18	11	5	15	0.8	MP3-152*0500AB*15*	
0.0018	18	11	5	15	0.8	MP3-182*0500AB*15*	
0.0022	18	11	5	15	0.8	MP3-222*0500AB*15*	
0.0027	18	11	5	15	0.8	MP3-272*0500AB*15*	
0.0033	18	11	5	15	0.8	MP3-332*0500AB*15*	
0.0039	18	11	5	15	0.8	MP3-392*0500AB*15*	
0.0047	18	11	5	15	0.8	MP3-472*0500AB*15*	
0.0056	18	12	6	15	0.8	MP3-562*0500AB*15*	
0.0068	18	12	6	15	0.8	MP3-682*0500AB*15*	
0.0082	18	13.5	7.5	15	0.8	MP3-822*0500AB*15*	
0.01	18	13.5	7.5	15	0.8	MP3-103*0500AB*15*	
0.012	18	14.5	8.5	15	0.8	MP3-123*0500AB*15*	
0.015	18	15	9	15	0.8	MP3-153*0500AB*15*	
0.018	26	15	6	22.5	0.8	MP3-183*0500AB*22*	
0.022	26	16.5	7	22.5	0.8	MP3-223*0500AB*22*	
0.027	26	17	8.5	22.5	0.8	MP3-273*0500AB*22*	

R.V.	700VAC						
Size Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number	
0.001	18	11	5	15	0.8	MP3-102*0700AB*15*	
0.0012	18	11	5	15	0.8	MP3-122*0700AB*15*	
0.0015	18	11	5	15	0.8	MP3-152*0700AB*15*	
0.0018	18	11	5	15	0.8	MP3-182*0700AB*15*	
0.0022	18	11	5	15	0.8	MP3-222*0700AB*15*	
0.0027	18	12	6	15	0.8	MP3-272*0700AB*15*	
0.0033	18	12	6	15	0.8	MP3-332*0700AB*15*	
0.0039	18	13.5	7.5	15	0.8	MP3-392*0700AB*15*	
0.0047	18	13.5	7.5	15	0.8	MP3-472*0700AB*15*	
0.0056	18	14.5	8.5	15	0.8	MP3-562*0700AB*15*	
0.0068	18	14.5	8.5	15	0.8	MP3-682*0700AB*15*	
0.0082	26	15	6	22.5	0.8	MP3-822*0700AB*22*	
0.01	26	16.5	7	22.5	0.8	MP3-103*0700AB*22*	
0.012	26	16.5	7	22.5	0.8	MP3-123*0700AB*22*	
0.015	26	17	8.5	22.5	0.8	MP3-153*0700AB*22*	
0.018	26	19	10	22.5	0.8	MP3-183*0700AB*22*	
0.022	26	19	10	22.5	0.8	MP3-223*0700AB*22*	
0.027	26	20	11	22.5	0.8	MP3-273*0700AB*22*	

R.V.	900VAC						
Size Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number	
0.001	26	13.5	6	22.5	0.8	MP3-102*0900AB*22*	
0.0012	26	13.5	6	22.5	0.8	MP3-122*0900AB*22*	
0.0015	26	13.5	6	22.5	0.8	MP3-152*0900AB*22*	
0.0018	26	13.5	6	22.5	0.8	MP3-182*0900AB*22*	
0.0022	26	13.5	6	22.5	0.8	MP3-222*0900AB*22*	
0.0027	26	13.5	6	22.5	0.8	MP3-272*0900AB*22*	
0.0033	26	13.5	6	22.5	0.8	MP3-332*0900AB*22*	
0.0039	26	13.5	6	22.5	0.8	MP3-392*0900AB*22*	
0.0047	26	13.5	6	22.5	0.8	MP3-472*0900AB*22*	

R.V.	900VAC						
Size Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number	
0.0056	26	13.5	6	22.5	0.8	MP3-562*0900AB*22*	
0.0068	26	16.5	7	22.5	0.8	MP3-682*0900AB*22*	
0.0082	26	16.5	7	22.5	0.8	MP3-822*0900AB*22*	
0.01	26	17	8.5	22.5	0.8	MP3-103*0900AB*22*	
0.012	26	19	10	22.5	0.8	MP3-123*0900AB*22*	
0.015	26	19	10	22.5	0.8	MP3-153*0900AB*22*	
0.018	26	20	10	22.5	0.8	MP3-183*0900AB*22*	