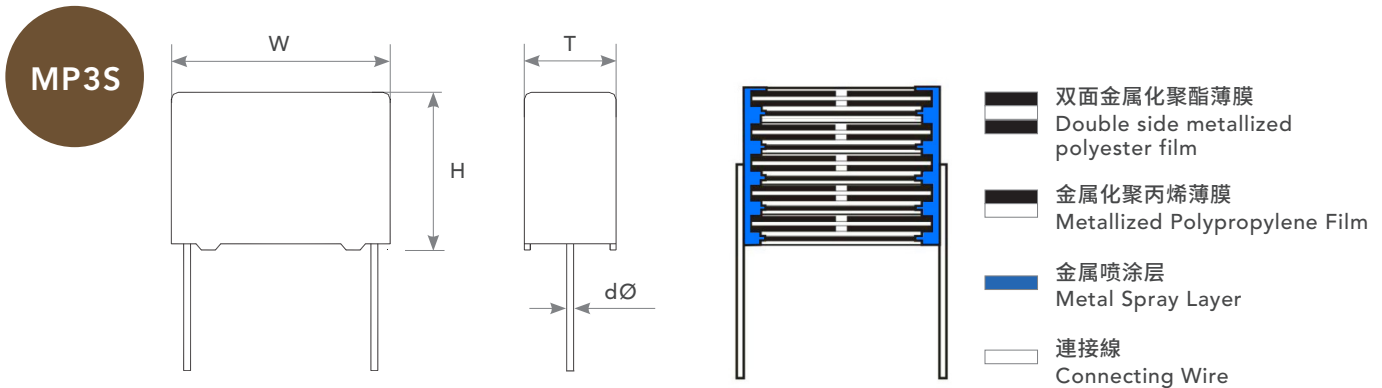


金属化聚丙烯薄膜电容器(MP3S) METALLIZED POLYPROPYLENE FILM CAPACITOR-RADIAL(MP3S)



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 60384-16
额定电压 Rated Voltage	400VDC (250VAC), 630VDC (400VAC), 1000VDC (600VAC), 1600VDC (650VAC), 2000VDC (700VAC)
额定温度 Rated Temperature	~+85°C for V_R (DC), ~+75°C for V_R (AC)
最大运行温度 Usable Upper Category Temperature	+110°C (Derating ratio of rated voltage to +85°C~+110°C: 1.25% per °C for Rated Voltage(DC)) (Derating ratio of rated voltage to +75°C~+110°C: 1.35% per °C for Rated Voltage(AC))
容量范围 Capacitance Range	0.001μF ~ 1.5μF
容量误差 Capacitance Tolerance	±2% (G), ±3% (H), ±5% (J), ±10% (K)

损耗角正切 Dissipation Factor	KHz	$C \leq 0.1\mu F$	$0.1\mu F < C \leq 1.0\mu F$	$1.0\mu F \leq C$	
	1	$\leq 0.05\%$	$\leq 0.05\%$	$\leq 0.05\%$	
	10	$\leq 0.06\%$	$\leq 0.07\%$	$\leq 1.0\%$	
	100	$\leq 0.15\%$	$\leq 0.25\%$	$\leq 0.5\%$	
绝缘电阻 Insulation Resistance	Terminal to Terminal: (at $25^{\circ}C \pm 5^{\circ}C$), Voltage charge time: 1minute. Voltage charge: 100VDC $\geq 50000M\Omega$ for $C \leq 0.1\mu F$, $\geq 10000M\Omega \times \mu F$ for $C > 0.1\mu F$				
耐压 Withstand Voltage	Terminal to Terminal: (at $20^{\circ}C \pm 5^{\circ}C$), $1.6 \times V_R$ applied for 2sec. (cut off current 10mA)				
额定电压 脉冲斜率 dV/dt (V/ μs) Rated Voltage Pulse Slope dV/dt (V/ μs)	Pitch V_R	10 mm	15 mm	22.5 mm	27.5 mm
	400 VDC	1500	900	500	300
	630 VDC	3000	2500	1500	900
	1000 VDC	4800	3300	2100	1000
	1600 VDC	-----	6000	3000	2000
	2000 VDC	-----	9500	3500	2300

Cap. (μF) | 标准单位 (Size unit): mm

R.V.	400VDC / 250VAC					
Size Cap (μF)	W ± 0.3	H ± 0.3	T ± 0.3	P	d ϕ ± 0.05	料号 Part Number
0.01	13	9	4	10	0.6	MP3S103*0400DB*10*
0.012	13	9	4	10	0.6	MP3S123*0400DB*10*
0.015	13	9	4	10	0.6	MP3S153*0400DB*10*
0.018	13	9	4	10	0.6	MP3S183*0400DB*10*
0.022	13	10	5	10	0.6	MP3S223*0400DB*10*
0.027	13	11	5	10	0.6	MP3S273*0400DB*10*
0.033	13	11	5	10	0.6	MP3S333*0400DB*10*
0.039	13	12	6	10	0.6	MP3S393*0400DB*10*
0.047	13	12	6	10	0.6	MP3S473*0400DB*10*
0.056	13	12	6	10	0.6	MP3S563*0400DB*10*
0.047	18	11	5	15	0.8	MP3S473*0400DB*15*
0.056	18	11	5	15	0.8	MP3S563*0400DB*15*
0.068	18	12	6	15	0.8	MP3S683*0400DB*15*
0.082	18	12	6	15	0.8	MP3S823*0400DB*15*
0.1	18	13	7	15	0.8	MP3S104*0400DB*15*
0.12	18	13.5	7.5	15	0.8	MP3S124*0400DB*15*

R.V.	400VDC / 250VAC					
Size Cap (μF)	W ± 0.3	H ± 0.3	T ± 0.3	P	d ϕ ± 0.05	料号 Part Number
0.15	18	14.5	8.5	15	0.8	MP3S154*0400DB*15*
0.18	18	16	9	15	0.8	MP3S184*0400DB*15*
0.22	18	16	10	15	0.8	MP3S224*0400DB*15*
0.27	18	19	11	15	0.8	MP3S274*0400DB*15*
0.33	18	21	12	15	0.8	MP3S334*0400DB*15*
0.1	26	15	6	22.5	0.8	MP3S104*0400DB*22*
0.12	26	15	6	22.5	0.8	MP3S124*0400DB*22*
0.15	26	15	6	22.5	0.8	MP3S154*0400DB*22*
0.18	6	15	6	22.5	0.8	MP3S184*0400DB*22*
0.22	26	16	7	22.5	0.8	MP3S224*0400DB*22*
0.27	26	17	8	22.5	0.8	MP3S274*0400DB*22*
0.33	26	17	9	22.5	0.8	MP3S334*0400DB*22*
0.39	26	18	9	22.5	0.8	MP3S394*0400DB*22*
0.47	26	19	10	22.5	0.8	MP3S474*0400DB*22*
0.56	26	20	11	22.5	0.8	MP3S564*0400DB*22*
0.68	26	20	11	22.5	0.8	MP3S684*0400DB*22*

R.V.	400VDC / 250VAC					
Size Cap (μ F)	W ± 0.3	H ± 0.3	T ± 0.3	P	d ϕ ± 0.05	料号 Part Number
0.33	31	17	8	27.5	0.8	MP3S334*0400DB*27*
0.39	31	18	9	27.5	0.8	MP3S394*0400DB*27*
0.47	31	18	9	27.5	0.8	MP3S474*0400DB*27*
0.56	31	18	9	27.5	0.8	MP3S564*0400DB*27*
0.68	31	20	10	27.5	0.8	MP3S684*0400DB*27*

R.V.	400VDC / 250VAC					
Size Cap (μ F)	W ± 0.3	H ± 0.3	T ± 0.3	P	d ϕ ± 0.05	料号 Part Number
0.82	31	22	13	27.5	0.8	MP3S824*0400DB*27*
1.0	31	23.5	14	27.5	0.8	MP3S105*0400DB*27*
1.2	31	24.5	15	27.5	0.8	MP3S125*0400DB*27*
1.5	31	28	18	27.5	0.8	MP3S155*0400DB*27*

Cap. (μ F) | 标准单位 (Size unit): mm

R.V.	630VDC / 400VAC					
Size Cap (μ F)	W ± 0.3	H ± 0.3	T ± 0.3	P	d ϕ ± 0.05	料号 Part Number
0.01	13	10	5	10	0.6	MP3S103*0630DB*10*
0.012	13	11	5	10	0.6	MP3S123*0630DB*10*
0.015	13	12	6	10	0.6	MP3S153*0630DB*10*
0.018	13	12	6	10	0.6	MP3S183*0630DB*10*
0.022	13	13	7	10	0.6	MP3S223*0630DB*10*
0.01	18	11	5	15	0.8	MP3S103*0630DB*15*
0.012	18	11	5	15	0.8	MP3S123*0630DB*15*
0.015	18	11	5	15	0.8	MP3S153*0630DB*15*
0.018	18	11	5	15	0.8	MP3S183*0630DB*15*
0.022	18	11	5	15	0.8	MP3S223*0630DB*15*
0.027	18	11	5	15	0.8	MP3S273*0630DB*15*
0.033	18	12	6	15	0.8	MP3S333*0630DB*15*
0.039	18	12	6	15	0.8	MP3S393*0630DB*15*
0.047	18	13	7	15	0.8	MP3S473*0630DB*15*
0.056	18	13.5	7.5	15	0.8	MP3S563*0630DB*15*
0.068	18	14	8	15	0.8	MP3S683*0630DB*15*
0.082	18	14.5	8.5	15	0.8	MP3S823*0630DB*15*
0.1	18	16	10	15	0.8	MP3S104*0630DB*15*
0.12	18	18	10	15	0.8	MP3S124*0630DB*15*
0.047	26	15	6	22.5	0.8	MP3S473*0630DB*22*
0.056	26	15	6	22.5	0.8	MP3S563*0630DB*22*
0.068	26	15	6	22.5	0.8	MP3S683*0630DB*22*

R.V.	630VDC / 400VAC					
Size Cap (μ F)	W ± 0.3	H ± 0.3	T ± 0.3	P	d ϕ ± 0.05	料号 Part Number
0.082	26	15	6	22.5	0.8	MP3S823*0630DB*22*
0.1	26	15	6	22.5	0.8	MP3S104*0630DB*22*
0.12	26	16	7	22.5	0.8	MP3S124*0630DB*22*
0.15	26	17	8	22.5	0.8	MP3S154*0630DB*22*
0.18	26	17	8	22.5	0.8	MP3S184*0630DB*22*
0.22	26	18	9	22.5	0.8	MP3S224*0630DB*22*
0.27	26	20	10	22.5	0.8	MP3S274*0630DB*22*
0.33	26	20	11	22.5	0.8	MP3S334*0630DB*22*
0.39	26	22	12	22.5	0.8	MP3S394*0630DB*22*
0.22	31	18	9	27.5	0.8	MP3S224*0630DB*27*
0.27	31	18	9	27.5	0.8	MP3S274*0630DB*27*
0.33	31	20	10	27.5	0.8	MP3S334*0630DB*27*
0.39	31	20	11	27.5	0.8	MP3S394*0630DB*27*
0.47	31	22	13	27.5	0.8	MP3S474*0630DB*27*
0.56	31	23.5	14	27.5	0.8	MP3S564*0630DB*27*
0.68	31	24.5	15	27.5	0.8	MP3S684*0630DB*27*
0.82	31	26	18	27.5	0.8	MP3S824*0630DB*27*
1.0	31	33	18	27.5	0.8	MP3S105*0630DB*27*

Cap. (μF) | 标准单位 (Size unit): mm

R.V.	1000VDC / 600VAC					
Size Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.001	13	9	4	10	0.6	MP3S102*1000DB*10*
0.0012	13	9	4	10	0.6	MP3S122*1000DB*10*
0.0015	13	9	4	10	0.6	MP3S152*1000DB*10*
0.0018	13	9	4	10	0.6	MP3S182*1000DB*10*
0.0022	13	9	4	10	0.6	MP3S222*1000DB*10*
0.0027	13	9	4	10	0.6	MP3S272*1000DB*10*
0.0033	13	9	4	10	0.6	MP3S332*1000DB*10*
0.0039	13	10	5	10	0.6	MP3S392*1000DB*10*
0.0047	13	11	5	10	0.6	MP3S472*1000DB*10*
0.0056	13	11	5	10	0.6	MP3S562*1000DB*10*
0.0068	13	11	5	10	0.6	MP3S682*1000DB*10*
0.0082	13	12	6	10	0.6	MP3S822*1000DB*10*
0.01	13	12	6	10	0.6	MP3S103*1000DB*10*
0.012	13	13	7	10	0.6	MP3S123*1000DB*10*
0.0068	18	11	5	15	0.8	MP3S682*1000DB*15*
0.0082	18	11	5	15	0.8	MP3S822*1000DB*15*
0.01	18	11	5	15	0.8	MP3S103*1000DB*15*
0.012	18	11	5	15	0.8	MP3S123*1000DB*15*
0.015	18	11	5	15	0.8	MP3S153*1000DB*15*
0.018	18	11	5	15	0.8	MP3S183*1000DB*15*
0.022	18	12	6	15	0.8	MP3S223*1000DB*15*
0.027	18	13	7	15	0.8	MP3S273*1000DB*15*
0.033	18	13.5	7.5	15	0.8	MP3S333*1000DB*15*
0.039	18	15.5	8	15	0.8	MP3S393*1000DB*15*
0.047	18	17	8	15	0.8	MP3S473*1000DB*15*
0.022	26	15	6	22.5	0.8	MP3S223*1000DB*22*
0.027	26	15	6	22.5	0.8	MP3S273*1000DB*22*
0.033	26	15	6	22.5	0.8	MP3S333*1000DB*22*
0.039	26	15	6	22.5	0.8	MP3S393*1000DB*22*
0.047	26	15	6	22.5	0.8	MP3S473*1000DB*22*

R.V.	1000VDC / 600VAC					
Size Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.056	26	16	7	22.5	0.8	MP3S563*1000DB*22*
0.068	26	16.5	7	22.5	0.8	MP3S683*1000DB*22*
0.082	26	17	8	22.5	0.8	MP3S823*1000DB*22*
0.1	26	18.5	8.5	22.5	0.8	MP3S104*1000DB*22*
0.12	26	19	10	22.5	0.8	MP3S124*1000DB*22*
0.15	26	20	11	22.5	0.8	MP3S154*1000DB*22*
0.18	26	22	12.5	22.5	0.8	MP3S184*1000DB*22*
0.22	26	24	14	22.5	0.8	MP3S224*1000DB*22*
0.1	31	18	9	27.5	0.8	MP3S104*1000DB*27*
0.12	31	18	9	27.5	0.8	MP3S124*1000DB*27*
0.15	31	20	10	27.5	0.8	MP3S154*1000DB*27*
0.18	31	22	13	27.5	0.8	MP3S184*1000DB*27*
0.22	31	22	13	27.5	0.8	MP3S224*1000DB*27*
0.27	31	23.5	14	27.5	0.8	MP3S274*1000DB*27*
0.33	31	24.5	15	27.5	0.8	MP3S334*1000DB*27*
0.39	31	26	18	27.5	0.8	MP3S394*1000DB*27*
0.47	31	28	18	27.5	0.8	MP3S474*1000DB*27*

Cap. (μF) | 标准单位 (Size unit): mm

R.V.	1600VDC / 650VAC					
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	MP3S102*1600DB*15*
0.0012	18	11	5	15	0.8	MP3S122*1600DB*15*
0.0015	18	11	5	15	0.8	MP3S152*1600DB*15*
0.0018	18	11	5	15	0.8	MP3S182*1600DB*15*
0.0022	18	11	5	15	0.8	MP3S222*1600DB*15*
0.0027	18	11	5	15	0.8	MP3S272*1600DB*15*
0.0033	18	11	5	15	0.8	MP3S332*1600DB*15*
0.0039	18	11	5	15	0.8	MP3S392*1600DB*15*
0.0047	18	11	5	15	0.8	MP3S472*1600DB*15*
0.0056	18	11	5	15	0.8	MP3S562*1600DB*15*
0.0068	18	11	5	15	0.8	MP3S682*1600DB*15*
0.0082	18	11	5	15	0.8	MP3S822*1600DB*15*
0.01	18	12	6	15	0.8	MP3S103*1600DB*15*
0.012	18	12	6	15	0.8	MP3S123*1600DB*15*
0.015	18	13	7	15	0.8	MP3S153*1600DB*15*
0.018	18	13	7	15	0.8	MP3S183*1600DB*15*
0.022	18	13.5	7.5	15	0.8	MP3S223*1600DB*15*
0.027	18	14.5	8.5	15	0.8	MP3S273*1600DB*15*
0.033	18	17	8	15	0.8	MP3S333*1600DB*15*
0.022	26	15	6	22.5	0.8	MP3S223*1600DB*22*
0.027	26	15	6	22.5	0.8	MP3S273*1600DB*22*
0.033	26	15	6	22.5	0.8	MP3S333*1600DB*22*
0.039	26	16.5	7	22.5	0.8	MP3S393*1600DB*22*
0.047	26	16.5	7	22.5	0.8	MP3S473*1600DB*22*
0.056	26	17	8	22.5	0.8	MP3S563*1600DB*22*
0.068	26	18	9	22.5	0.8	MP3S683*1600DB*22*
0.082	26	19	10	22.5	0.8	MP3S823*1600DB*22*
0.1	26	20	11	22.5	0.8	MP3S104*1600DB*22*
0.047	31	18	9	27.5	0.8	MP3S473*1600DB*27*
0.056	31	18	9	27.5	0.8	MP3S563*1600DB*27*

R.V.	1600VDC / 650VAC					
Size Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.068	31	18	9	27.5	0.8	MP3S683*1600DB*27*
0.082	31	18	9	27.5	0.8	MP3S823*1600DB*27*
0.1	31	20	10	27.5	0.8	MP3S104*1600DB*27*
0.12	31	20	11	27.5	0.8	MP3S124*1600DB*27*
0.15	31	22	13	27.5	0.8	MP3S154*1600DB*27*
0.18	31	23.5	14	27.5	0.8	MP3S184*1600DB*27*
0.22	31	24.5	15	27.5	0.8	MP3S224*1600DB*27*
0.27	31	26	18	27.5	0.8	MP3S274*1600DB*27*
0.33	31	33	18	27.5	0.8	MP3S334*1600DB*27*

Cap. (μF) | 标准单位 (Size unit): mm

R.V.	2000VDC / 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	MP3S102*2000DB*15*
0.0012	18	11	5	15	0.8	MP3S122*2000DB*15*
0.0015	18	11	5	15	0.8	MP3S152*2000DB*15*
0.0018	18	11	5	15	0.8	MP3S182*2000DB*15*
0.0022	18	11	5	15	0.8	MP3S222*2000DB*15*
0.0027	18	11	5	15	0.8	MP3S272*2000DB*15*
0.0033	18	11	5	15	0.8	MP3S332*2000DB*15*
0.0039	18	11	5	15	0.8	MP3S392*2000DB*15*
0.0047	18	11	5	15	0.8	MP3S472*2000DB*15*
0.0056	18	12	6	15	0.8	MP3S562*2000DB*15*
0.0068	18	12	6	15	0.8	MP3S682*2000DB*15*
0.0082	18	13	7	15	0.8	MP3S822*2000DB*15*
0.01	18	13	7	15	0.8	MP3S103*2000DB*15*
0.012	18	14	8	15	0.8	MP3S123*2000DB*15*
0.015	18	14.5	8.5	15	0.8	MP3S153*2000DB*15*
0.018	18	18	9	15	0.8	MP3S183*2000DB*15*
0.022	18	18	10	15	0.8	MP3S223*2000DB*15*
0.01	26	15	6	22.5	0.8	MP3S103*2000DB*22*
0.012	26	15	6	22.5	0.8	MP3S123*2000DB*22*
0.015	26	15	6	22.5	0.8	MP3S153*2000DB*22*
0.018	26	15	6	22.5	0.8	MP3S183*2000DB*22*
0.022	26	16	6	22.5	0.8	MP3S223*2000DB*22*
0.027	26	16.5	7	22.5	0.8	MP3S273*2000DB*22*
0.033	26	17	8	22.5	0.8	MP3S333*2000DB*22*
0.039	26	18	9	22.5	0.8	MP3S393*2000DB*22*
0.047	26	18.5	10	22.5	0.8	MP3S473*2000DB*22*
0.056	26	20	11	22.5	0.8	MP3S563*2000DB*22*
0.068	26	21.5	12	22.5	0.8	MP3S683*2000DB*22*
0.082	26	24	14	22.5	0.8	MP3S823*2000DB*22*
0.1	26	25	15	22.5	0.8	MP3S104*2000DB*22*

R.V.	2000VDC / 700VAC					
Size Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.033	31	18	9	27.5	0.8	MP3S333*2000DB*27*
0.039	31	18	9	27.5	0.8	MP3S393*2000DB*27*
0.047	31	20	10	27.5	0.8	MP3S473*2000DB*27*
0.056	31	20	11	27.5	0.8	MP3S563*2000DB*27*
0.068	31	22	13	27.5	0.8	MP3S683*2000DB*27*
0.082	31	23.5	14	27.5	0.8	MP3S823*2000DB*27*
0.1	31	24.5	15	27.5	0.8	MP3S104*2000DB*27*
0.12	31	25.5	16	27.5	0.8	MP3S124*2000DB*27*
0.15	31	28	18	27.5	0.8	MP3S154*2000DB*27*
0.18	31	30.5	20	27.5	0.8	MP3S184*2000DB*27*

单击下面可查看定价，库存，交付和生命周期等信息

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