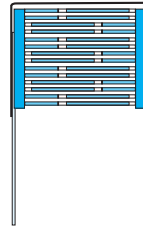
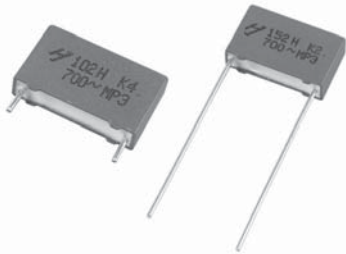


**SERIES**

**MP3**



- Double sided metallized polyester film
- Metal Spray Layer
- Connecting Wire

**Construction:**

Dielectric :Polypropylene Film .  
 Electrodes :Double sided metallized polyester film  
 Winding :non-inductive type & internal series connection.  
 Leads :Tinned Wire.  
 Outer coating:Flame retardant plastic case and epoxy resin filled.

**Feature:**

Low Dissipation Factor at high frequency.  
 Excellent corona voltage.  
 Very high pulse strength.  
 Small in size.

**Recommended Application:**

Electronic lighting (ballast & car headlamp).  
 Switching power supply circuits.  
 Pulse applications with high AC voltage and high current.

**Electrical Characteristics:**

Related Documents	IEC 60384-17;CECC 31900					
Rated Voltage(V <sub>R</sub> )	300VAC(800VDC),400VAC(1000VDC),500VAC(1200VDC) 700VAC(1600VDC), 900VAC(2000VDC)					
Rated Temperature	~+85°C for V <sub>R</sub> (DC). ~+105°C for V <sub>R</sub> (AC).					
Usable upper category temperature	+105°C. Derating ratio of rated voltage V <sub>R</sub> (DC) to +85°C~+105°C:1.25% per °C for Rated Voltage V <sub>R</sub> (DC)					
Capacitance Range	0.001 μF~0.1 μF.					
Capacitance Tolerance	±2%(G),±3%(H),±5%(J)					
Dissipation Factor	0.05% at 1Khz (C≤0.1 μF) 0.10% at 100Khz (C≤0.1 μF)					
Insulation Resistance	Terminal to Terminal:(at20±5°C) ≥50000MΩfor C≤0.1 μF at 100VDC ×1minute.					
Withstand Voltage	Terminal to Terminal:(at20°C ±5°C) 1.6 × V <sub>R</sub> applied for 2sec.					
Rated Voltage Pulse Slope dV/dt (V/μs)	V.R Pitch	300VAC	400VAC	500VAC	700VAC	900VAC
	15m/m	3000	3400	5000	9500	-----
	22.5m/m	1500	2200	3000	5000	10000



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**SERIES**

**MP3**

Cap. (μF)		Leads:0.6dφ (P=10)												Leads:0.8dφ (P>10)				Unit:m/m			
R.V.		300VAC				400VAC				500VAC				700VAC				900VAC			
Size Cap.		W	H	T	P	W	H	T	P	W	H	T	P	W	H	T	P	W	H	T	P
0.022		18.0	13.5	7.5	15.0	18.0	14.5	8.5	15.0	26.0	16.5	7.0	22.5	26.0	19.0	10.0	22.5				
0.027		18.0	13.5	7.5	15.0	18.0	16.5	10.0	15.0	26.0	17.0	8.5	22.5	26.0	20.0	11.0	22.5				
0.033		18.0	13.5	7.5	15.0	26.0	16.5	7.0	22.5												
0.039		18.0	14.5	8.5	15.0	26.0	16.5	7.0	22.5												
0.047		18.0	16.5	10.0	15.0	26.0	17.0	8.5	22.5												
0.056		18.0	16.5	10.0	15.0	---	---	---	---												
0.056		26.0	16.5	7.0	22.5	26.0	19.0	10.0	22.5												
0.068		26.0	16.0	7.0	22.5	26.0	19.0	10.0	22.5												
0.082		26.0	17.0	8.5	22.5	26.0	19.0	10.0	22.5												
0.1		26.0	19.0	10.0	22.5	26.0	20.0	11.0	22.5												



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Cap.( $\mu$ F)	Low Profile Dimension												Leads:0.8d $\phi$				Unit:m/m			
R.V.	300VAC				400VAC				500VAC				700VAC				900VAC			
Size Cap.	W	H	T	P	W	H	T	P	W	H	T	P	W	H	T	P	W	H	T	P
0.068													18.0	13.5	9.0	15.0	26.0	13.5	8.0	22.5
0.082													26.0	13.5	7.0	22.5	26.0	13.5	11.0	22.5
0.01													26.0	13.5	7.0	22.5	26.0	13.5	12.0	22.5
0.012									18.0	13.5	9.0	15.0	26.0	13.5	8.0	22.5	26.0	13.5	13.5	22.5
0.015									18.0	13.5	10.0	15.0	26.0	13.5	10.0	22.5	26.0	13.5	15.0	22.5
0.018									26.0	13.5	7.5	22.5	26.0	13.5	12.0	22.5	26.0	13.5	17.0	22.5
0.022					18.0	13.5	12.0	15.0	26.0	13.5	8.0	22.5	26.0	13.5	14.0	22.5	---	---	---	---
0.027					18.0	13.5	13.5	15.0	26.0	13.5	10.0	22.5	26.0	13.5	15.0	22.5	---	---	---	---
0.033					26.0	13.5	8.0	22.5												
0.039	18.0	13.5	12.0	15.0	26.0	13.5	11.0	22.5												
0.047	18.0	13.5	13.5	15.0	26.0	13.5	12.0	22.5												
0.056	18.0	13.5	15.0	15.0	---	---	---	---												
0.056	26.0	13.5	8.0	22.5	26.0	13.5	12.0	22.5												
0.068	26.0	13.5	12.0	22.5	26.0	13.5	14.0	22.5												
0.082	26.0	13.5	13.5	22.5	26.0	13.5	17.0	22.5												
0.1	26.0	13.5	15.0	22.5	26.0	13.5	18.0	22.5												



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**Reliability Test :**

Item	Test Method	Requirements
Resistance to soldering heat IEC 60068-2-20"	Solder bath: 260°C ±5°C Immersion time: 10sec±1sec	Capacitance change   ΔC/C   : ≤1% DF change Δ tan δ :0.1% at 1Khz IR: ≥ limit value.
Resistance to vibration IEC 60068-2-6"	Frequency range:10hz to 55hz Amplitude:1.5m/m Duration:6 hours	There shall be no visble damage, no intermittent contact, no open or short circuit
Damp heat, steady state IEC 60068-2-3"	Temperature:40°C ±2°C Relative humidity:90% to 95% Duration:1000 hours	Capacitance change   ΔC/C   : ≤3% DF change Δ tan δ :0.1% at 1Khz IR: ≥50% limit value.
Endurance IEC 60384-17"	Temperature:105°C ±2°C Voltage applied: 1.25× Vr(AC) at 60Hz Duration:2000 hours	Capacitance change   ΔC/C   : ≤3% DF change Δ tan δ :0.1% at 1Khz IR: ≥50% limit value.

Cap.(μF)		Leads:0.6dφ (P=10)												Leads:0.8dφ (P>10)				Unit:m/m			
R.V.	Size Cap.	300VAC				400VAC				500VAC				700VAC				900VAC			
		W	H	T	P	W	H	T	P	W	H	T	P	W	H	T	P	W	H	T	P
.001						13.0	9.0	4.0	10.0	18.0	11.0	5.0	15.0	18.0	11.0	5.0	15.0	26.0	13.5	6.0	22.5
.0012						13.0	9.0	4.0	10.0	18.0	11.0	5.0	15.0	18.0	11.0	5.0	15.0	26.0	13.5	6.0	22.5
.0015						13.0	9.0	4.0	10.0	18.0	11.0	5.0	15.0	18.0	11.0	5.0	15.0	26.0	13.5	6.0	22.5
.0018						13.0	11.0	5.0	10.0	18.0	11.0	5.0	15.0	18.0	11.0	5.0	15.0	26.0	13.5	6.0	22.5
.0022						13.0	11.0	5.0	10.0	18.0	11.0	5.0	15.0	18.0	11.0	5.0	15.0	26.0	13.5	6.0	22.5
.0027						13.0	11.0	5.0	10.0	18.0	11.0	5.0	15.0	18.0	12.0	6.0	15.0	26.0	13.5	6.0	22.5
.0033						13.0	11.0	5.0	10.0	18.0	11.0	5.0	15.0	18.0	12.0	6.0	15.0	26.0	13.5	6.0	22.5
.0039						13.0	12.0	6.0	10.0	18.0	11.0	5.0	15.0	18.0	13.5	7.5	15.0	26.0	13.5	6.0	22.5
.0047						13.0	13.0	7.0	10.0	18.0	11.0	5.0	15.0	18.0	13.5	7.5	15.0	26.0	13.5	6.0	22.5
.0056						13.0	13.0	7.0	10.0	18.0	12.0	6.0	15.0	18.0	13.5	7.5	15.0	26.0	13.5	6.0	22.5
.0068						18.0	11.0	5.0	15.0	18.0	12.0	6.0	15.0	18.0	14.5	8.5	15.0	26.0	16.5	7.0	22.5
.0082						18.0	11.0	5.0	15.0	18.0	13.5	7.5	15.0	26.0	15.0	6.0	22.5	26.0	16.5	7.0	22.5
0.01		18.0	11.0	5.0	15.0	18.0	12.0	6.0	15.0	18.0	13.5	7.5	15.0	26.0	13.5	7.0	22.5	26.0	17.0	8.5	22.5
0.012		18.0	11.0	5.0	15.0	18.0	12.0	6.0	15.0	18.0	14.5	8.5	15.0	26.0	16.5	7.0	22.5	26.0	19.0	10.0	22.5
0.015		18.0	11.0	5.0	15.0	18.0	13.5	7.5	15.0	18.0	15.0	9.0	15.0	26.0	17.0	8.5	22.5	26.0	19.0	10.0	22.5
0.018		18.0	12.0	6.0	15.0	18.0	13.5	7.5	15.0	26.0	15.0	6.0	22.5	26.0	19.0	10.0	22.5	26.0	20.0	10.0	22.5



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