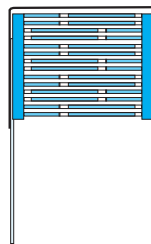
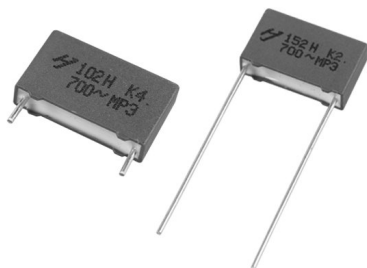


MP3



- 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 _R)	300VAC(800VDC), 400VAC(1000VDC), 500VAC(1200VDC) 700VAC(1600VDC), 900VAC(2000VDC)					
Rated Temperature	~+85°C for V _R (DC). ~+105°C for V _R (AC).					
Usable upper category temperature	+105°C. Derating ratio of rated voltage V _R (DC) to +85°C~+105°C: 1.25% per °C for Rated Voltage V _R (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: (at 20 ± 5°C) ≥ 50000 MΩ for C ≤ 0.1 μF at 100VDC × 1 minute.					
Withstand Voltage	Terminal to Terminal: (at 20°C ± 5°C) 1.6 × V _R 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

SERIES

MP3

Cap.(μF)					Leads:0.6d φ (P=10)								Leads:0.8d φ (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	16.5	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																

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 $\Delta C/C$: ≤ 1% DF change $\Delta \tan \delta$: 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 visible 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 $\Delta C/C$: ≤ 3% DF change $\Delta \tan \delta$: 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 $\Delta C/C$: ≤ 3% DF change $\Delta \tan \delta$: 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.	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				
.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	14.5	8.5	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	16.5	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				