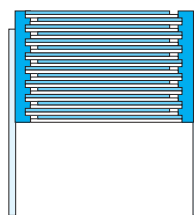
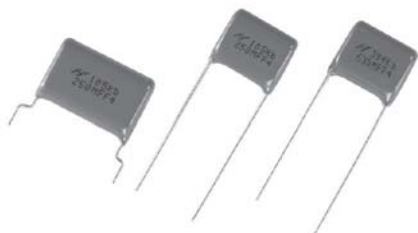


SERIES

MFF



- Metallized Polyester Film
- Metal Spray Layer
- Connecting Wire

Construction:

Dielectric :Polyester Film.
 Electrodes :Aluminum Metallization.
 Winding :non-inductive type.
 Leads :Tinned Wire.
 Outer coating:Flame retarding epoxy resin.

Feature:

Self-healing property.
 Wide rated voltage range.
 Wide rated capacitance range.
 Ultra-minature size.
 Available for wire automatic insertion range.

Recommended Application:

General purpose usage.
 Blocking, by-passing, filtering, timing.
 Fluorescent lamp, HID lamp ballast
 Air conditioner, Fan, Motor running.
 Other industrial equipment.

Electrical Characteristics:

Related Documents	IEC 60384-2;CECC 30400					
Rated Voltage	100VDC,250VDC, 400VDC, 630VDC.					
Rated Temperature	-40°C ~+85°C.					
Usable upper category temperature	+105°C. (Derating ratio of rated voltage to +85°C~+105°C:1.25% per °C for Rated Voltage)					
Capacitance Range	0.01 μF~10 μF.					
Capacitance Tolerance	±2%(G),±5%(J),±10%(K)					
Dissipation Factor	1.0%(max)at 1KHz. 1.5%(max)at 10KHz.					
Insulation Resistance Terminal to terminal:	Voltage charge :100VDC×1 minute. at 20±5°C ≥9000MΩ for C≤0.33 μF ≥3000MΩ × μF for C>0.33 μF					
Withstand Voltage	Terminal to Terminal:(at20°C ±5°C) 1.6 × V _R applied for 2sec.(cut off current 10mA)					
Rated Voltage Pulse Slope dV/dt (V/μs)	Pitch	7.5m/m	10m/m	15m/m	22.5m/m	27.5m/m
	V.R					
	100VDC	35	30	20	10	5
	250VDC	80	110	45	20	15
	400VDC	190	160	65	30	25
630VDC	-----	200	90	35	30	

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 $\Delta C/C$: ≤2% DF change $\Delta \tan \delta$:0.5% 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 $\Delta C/C$: ≤5% DF change $\Delta \tan \delta$:0.5% at 1Khz IR: ≥ 50% limit value.
Endurance IEC 60384-2"	Temperature:85°C ±2°C Voltage applied: 1.25×Vr(DC) Duration:2000 hours	Capacitance change $\Delta C/C$: ≤5% DF change $\Delta \tan \delta$:0.5% at 1Khz IR: ≥ 50% limit value.

Cap.(μF)

Size Unit:m/mm

R.V. Size Cap.(μF)	100VDC					250VDC					400VDC					630VDC				
	W	H	T	P	dφ	W	H	T	P	dφ	W	H	T	P	dφ	W	H	T	P	dφ
.01																13.0	8.0	5.0	10.0	0.6
.012																13.0	8.5	5.0	10.0	0.6
.015											10.5	8.0	4.5	7.5	0.6	13.0	9.5	5.5	10.0	0.6
.018											10.5	8.5	5.0	7.5	0.6	13.0	11.0	5.5	10.0	0.6
.022											10.5	8.5	5.0	7.5	0.6	13.0	11.5	6.0	10.0	0.6
.027											10.5	9.0	5.5	7.5	0.6	13.0	12.0	6.5	10.0	0.6
.033											10.5	9.5	6.0	7.5	0.6	13.0	12.5	7.0	10.0	0.6
.039						10.5	8.0	4.0	7.5	0.6	13.0	8.5	4.5	10.0	0.6	13.0	14.0	7.0	10.0	0.6
.047						10.5	8.0	4.5	7.5	0.6	13.0	9.0	5.0	10.0	0.6	13.0	15.0	7.5	10.0	0.6
.056						10.5	8.5	5.0	7.5	0.6	13.0	9.5	5.5	10.0	0.6	18.5	11.0	5.5	15.0	0.8
.068						10.5	8.5	5.0	7.5	0.6	13.0	11.0	5.5	10.0	0.6	18.5	11.5	6.0	15.0	0.8
.082						10.5	9.5	5.5	7.5	0.6	13.0	11.5	5.5	10.0	0.6	18.5	12.0	6.5	15.0	0.8
0.1	10.5	7.5	4.0	7.5	0.6	10.5	10.0	6.0	7.5	0.6	13.0	12.0	6.5	10.0	0.6	18.5	13.0	7.0	15.0	0.8
0.12	10.5	7.5	4.0	7.5	0.6	10.5	10.5	6.5	7.5	0.6	18.5	10.5	5.0	15.0	0.8	18.5	14.5	7.0	15.0	0.8
0.15	10.5	8.0	4.5	7.5	0.6	10.5	11.0	7.0	7.5	0.6	18.5	11.5	5.5	15.0	0.8	18.5	15.5	8.0	15.0	0.8
0.18	10.5	8.5	5.0	7.5	0.6	13.0	9.0	4.5	10.0	0.6	18.5	12.0	6.0	15.0	0.8	18.5	16.0	8.5	15.0	0.8
0.22	10.5	8.5	5.0	7.5	0.6	13.0	11.0	5.0	10.0	0.6	18.5	13.5	6.0	15.0	0.8	18.5	16.5	9.0	15.0	0.8
0.27	10.5	9.5	5.5	7.5	0.6	13.0	11.5	6.0	10.0	0.6	18.5	14.0	7.0	15.0	0.8	26.0	16.5	7.5	22.5	0.8
0.33	10.5	10.0	6.0	7.5	0.6	13.0	12.0	6.5	10.0	0.6	18.5	15.0	7.5	15.0	0.8	26.0	17.0	8.5	22.5	0.8
0.39	10.5	10.5	6.0	7.5	0.6	18.5	12.0	5.0	15.0	0.8	18.5	15.5	8.5	15.0	0.8	26.0	18.0	9.0	22.5	0.8
0.47	10.5	12.0	6.0	7.5	0.6	18.5	13.0	5.5	15.0	0.8	18.5	17.5	8.5	15.0	0.8	26.0	19.0	10.0	22.5	0.8
0.56	13.0	11.0	5.5	10.0	0.6	18.5	13.0	6.0	15.0	0.8	26.0	16.0	7.5	22.5	0.8	26.0	20.0	11.0	22.5	0.8
0.68	13.0	11.5	6.0	10.0	0.6	18.5	13.5	6.0	15.0	0.8	26.0	17.0	8.0	22.5	0.8	26.0	21.5	12.5	22.5	0.8
0.82	13.0	13.0	6.0	10.0	0.6	18.5	14.0	7.0	15.0	0.8	26.0	17.5	9.0	22.5	0.8	31.0	21.0	12.0	27.5	0.8
1.0	13.0	14.0	6.5	10.0	0.6	18.5	15.0	8.5	15.0	0.8	26.0	18.5	10.0	22.5	0.8	31.0	22.0	13.5	27.5	0.8
1.2	18.5	12.5	5.5	15.0	0.8	18.5	15.5	8.5	15.0	0.8	26.0	20.0	11.0	22.5	0.8	31.0	23.5	15.0	27.5	0.8
1.5	18.5	13.5	6.0	15.0	0.8	18.5	16.5	9.5	15.0	0.8	31.0	19.5	11.0	27.5	0.8	31.0	26.5	16.0	27.5	0.8
1.8	18.5	14.0	6.5	15.0	0.8	26.0	16.0	7.5	22.5	0.8	31.0	21.0	12.0	27.5	0.8	31.0	28.0	18.0	27.5	0.8
2.2	18.5	15.0	7.0	15.0	0.8	26.0	17.0	8.5	22.5	0.8	31.0	23.5	13.0	27.5	0.8	31.0	30.5	20.0	27.5	0.8
2.7	18.5	16.0	7.5	15.0	0.8	26.0	18.0	9.5	22.5	0.8										
3.3	18.5	16.5	8.5	15.0	0.8	26.0	19.0	10.5	22.5	0.8										
3.9	26.0	16.0	7.0	22.5	0.8	26.0	21.5	10.5	22.5	0.8										
4.7	26.0	17.0	7.5	22.5	0.8	26.0	22.0	12.0	22.5	0.8										
5.6	26.0	17.5	8.0	22.5	0.8	31.0	22.0	12.0	27.5	0.8										
6.8	26.0	18.5	9.0	22.5	0.8	31.0	23.5	13.0	27.5	0.8										
8.2	26.0	20.0	10.0	22.5	0.8	31.0	25.0	14.5	27.5	0.8										
10.0	26.0	21.0	11.5	22.5	0.8	31.0	26.5	16.5	27.5	0.8										