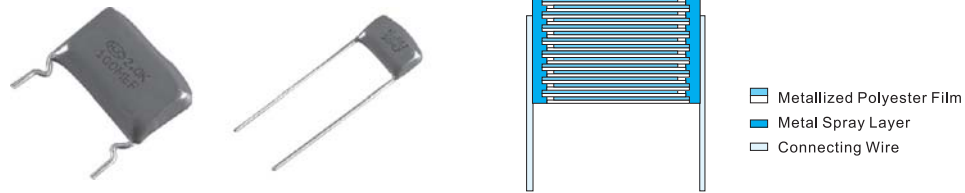


SERIES

MEF



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.
 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℃~+85℃.						
Usable upper category temperature	+105℃. (Derating ratio of rated voltage to +85℃~+105℃: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.(at20±5℃) $V_R \leq 100VDC: \geq 15000M\Omega \text{ for } C \leq 0.33 \mu F, \geq 5000M\Omega \times \mu F \text{ for } C > 0.33 \mu F$ $V_R > 100VDC: \geq 30000M\Omega \text{ for } C \leq 0.33 \mu F, \geq 10000M\Omega \times \mu F \text{ for } C > 0.33 \mu F$						
Withstand Voltage	Terminal to Terminal:(at20℃±5℃) 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	20m/m	27.5m/m	
	V _R	50/63VDC	-----	-----	-----	-----	
		100VDC	35	30	20	10	5
		250VDC	-----	110	45	20	15
		400VDC	-----	160	65	30	25
		630VDC	-----	200	90	35	30



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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 : ≤2% DF change Δ tan δ :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 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 : ≤5% DF change Δ tan δ :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 ΔC/C : ≤5% DF change Δ tan δ :0.5% at 1Khz IR: ≥ 50% limit value.

Cap.(μF)

Size Unit:m/m

R.V.	100VDC					250VDC					400VDC					630VDC				
Size Cap.(μF)	W	H	T	P	dφ	W	H	T	P	dφ	W	H	T	P	dφ	W	H	T	P	dφ
	10.5	9.0	5.5	7.5	0.6	10.5	9.0	5.5	7.5	0.6	10.5	9.0	5.5	7.5	0.6	13.0	10.0	6.0	10.0	0.6
.015	10.5	9.5	6.0	7.5	0.6	10.5	9.5	6.0	7.5	0.6	10.5	9.5	6.0	7.5	0.6	13.0	10.5	6.5	10.0	0.6
	10.5	9.5	6.0	7.5	0.6	10.5	9.5	6.0	7.5	0.6	13.0	9.5	6.0	10.0	0.6	13.0	12.5	7.5	10.0	0.6
.033	10.5	9.5	6.0	7.5	0.6	10.5	9.5	6.0	7.5	0.6	13.0	10.0	6.5	10.0	0.6	18.5	12.0	6.5	15.0	0.6
	10.5	9.5	6.0	7.5	0.6	10.5	9.5	6.0	7.5	0.6	13.0	12.0	7.0	10.0	0.6	18.5	12.5	7.5	15.0	0.6
.068	10.5	9.5	6.0	7.5	0.6	10.5	10.0	6.5	7.5	0.6	13.0	13.0	8.0	10.0	0.6	18.5	14.0	8.5	15.0	0.8
	10.5	9.5	6.0	7.5	0.6	13.0	10.0	6.5	10.0	0.6	18.5	12.5	7.0	15.0	0.8	18.5	14.5	10.0	15.0	0.8
0.15	13.0	9.0	5.5	10.0	0.6	18.5	11.0	6.0	15.0	0.6	18.5	13.5	8.0	15.0	0.8	22.5	16.5	9.5	20.0	0.8
	13.0	10.0	6.5	10.0	0.6	18.5	11.5	6.5	15.0	0.6	22.5	14.5	8.0	20.0	0.8	22.5	19.0	11.5	20.0	0.8
0.33	13.0	11.5	8.0	10.0	0.6	18.5	12.0	7.0	15.0	0.8	22.5	15.0	9.0	20.0	0.8	32.0	19.0	12.0	27.5	0.8
	18.5	11.0	6.0	15.0	0.6	22.5	12.5	7.5	20.0	0.8	22.5	18.5	11.5	20.0	0.8	32.0	22.0	13.5	27.5	0.8
0.68	18.5	12.5	7.5	15.0	0.6	22.5	13.5	8.5	20.0	0.8	32.0	19.0	12.0	27.5	0.8	36.0	22.5	14.5	32.5	0.8
	18.5	13.5	8.5	15.0	0.8	22.5	15.0	10.0	20.0	0.8	32.0	21.5	13.5	27.5	0.8	36.0	29.0	16.0	32.5	0.8
1.5	22.5	14.5	8.0	20.0	0.8	32.0	17.5	9.5	27.5	0.8	36.0	23.5	14.0	32.5	0.8	42.0	29.5	18.5	37.5	1.0
	22.5	16.5	10.0	20.0	0.8	32.0	19.0	10.5	27.5	0.8	36.0	27.5	18.5	32.5	0.8	46.0	32.5	20.5	42.5	1.0
3.3	22.5	20.0	12.0	20.0	0.8	32.0	23.0	13.5	27.5	0.8	42.0	30.5	18.5	37.5	1.0					
	22.5	21.5	14.0	20.0	0.8	36.0	24.0	14.0	32.5	0.8	46.0	34.0	22.0	42.5	1.0					
6.8	32.0	23.5	14.5	27.5	0.8	42.0	27.0	16.0	37.5	1.0										
	32.0	29.0	18.0	27.5	0.8	42.0	35.0	19.0	37.5	1.0										



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