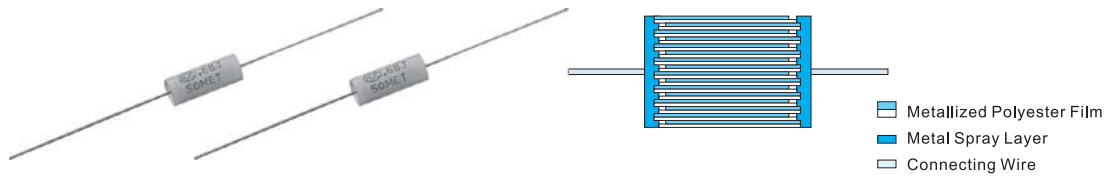


MET



Construction:

- Dielectric :Polyester Film.
- Electrodes :Aluminum Metallization.
- Winding :non-inductive type.
- Leads :Tinned clad copper wire.
- Outer coating:Insulating tape wrapping and epoxy resin end filled.

Feature:

- Optimum self-healing capability.
- High stability of capacitance.
- High reliability.

Recommended Application:

- Blocking, by-passing, filtering, timing circuits.
- Professional electronics testing equipment.
- Telecommunications and data processing.
- Automatic control system equipment.
- Industrial instruments.

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 $V_R \leq 100VDC: \geq 10000M\Omega \text{ for } C \leq 0.33 \mu F, \geq 1000M\Omega \times \mu F \text{ for } C > 0.33 \mu F$ $V_R > 100VDC: \geq 30000M\Omega \text{ for } C \leq 0.33 \mu F, \geq 10000M\Omega \times \mu F \text{ for } C > 0.33 \mu F$					
Withstand Voltage	Terminal to Terminal:(at20°C ±5°C) 1.6 × V _R applied for 2sec.(cut off current 10mA)					
Rated Voltage Pulse Slope dV/dt (V/μs)	Length	≤ 14m/m	19m/m	27m/m	33m/m	38m/m
	V.R					
	100VDC	6	3	2	1.5	1
	250VDC	10	7	4	2.5	2
	400VDC	14	10	6.5	4	3
630VDC	20	15	10	6	4	

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 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 $\Delta C/C$: ≤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/m

R.V.	100VDC			250VDC			400VDC			630VDC		
Size Cap.	L	D	dφ	L	D	dφ	L	D	dφ	L	D	dφ
0.01	11.0	5.0	0.6	11.0	5.0	0.6	11.0	5.0	0.6	14.0	6.0	0.6
.015	11.0	5.0	0.6	11.0	5.0	0.6	14.0	5.5	0.6	14.0	6.5	0.6
.022	11.0	5.0	0.6	11.0	5.0	0.6	14.0	6.0	0.6	14.0	7.0	0.6
.033	11.0	5.0	0.6	11.0	5.0	0.6	14.0	6.0	0.6	19.0	8.0	0.6
.047	11.0	5.0	0.6	11.0	5.5	0.6	14.0	7.0	0.6	19.0	8.0	0.6
.068	11.0	5.0	0.6	14.0	6.0	0.6	19.0	7.5	0.6	19.0	9.0	0.8
0.1	14.0	5.5	0.6	14.0	7.0	0.6	19.0	8.0	0.6	27.0	9.0	0.8
0.15	14.0	6.0	0.6	14.0	8.5	0.8	19.0	9.0	0.8	27.0	10.5	0.8
0.22	14.0	6.5	0.6	19.0	8.0	0.6	27.0	8.5	0.8	27.0	11.5	0.8
0.33	14.0	7.0	0.6	19.0	9.0	0.8	27.0	10.0	0.8	33.0	13.0	0.8
0.47	19.0	7.5	0.6	19.0	9.5	0.8	27.0	12.5	0.8	33.0	14.0	0.8
0.68	19.0	8.5	0.8	27.0	10.0	0.8	33.0	12.5	0.8	33.0	17.5	0.8
1.0	19.0	10.0	0.8	27.0	11.5	0.8	33.0	14.5	0.8	38.0	21.0	0.8
1.5	27.0	11.0	0.8	27.0	11.5	0.8	33.0	17.5	0.8	38.0	25.0	0.8
2.2	27.0	12.0	0.8	33.0	14.0	0.8	38.0	20.0	0.8	38.0	28.0	0.8
3.3	27.0	14.0	0.8	33.0	16.0	0.8	38.0	27.0	0.8			
4.7	33.0	14.5	0.8	38.0	20.0	0.8	38.0	30.0	0.8			
6.8	33.0	17.0	0.8	38.0	24.0	0.8						
10.0	33.0	20.0	0.8	48.0	23.0	0.8						