

Metal Film MELF Resistor

Specifications Per

IEC 115-1 115-2

CECC 40101

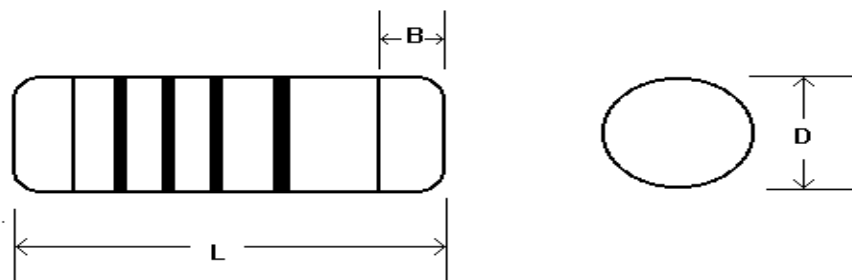
DIN 44061

Features

SMD enabled structure

Conformal Multi-layer Coating Against Humidity

Excellent Solderability Termination



Dimensions

Type	Body Length (L)	Body Diameter (D)	Soldering spot (B)	Net Weight Per 1000 pcs
MM-16	3.45±0.1mm	1.35±0.1mm	0.6mm Min.	17 grams
MM-204	3.45±0.1mm	1.35±0.1mm	0.6mm Min.	17 grams
MM-207	5.90±0.2mm	2.20±0.1mm	1.0mm Min.	66 grams
M-52	5.90±0.2mm	2.20±0.1mm	1.0mm Min.	66 grams

General Specifications

Type	Power Rating at 70 degree C	Max. Working Voltage	Max. Overload Voltage	Resistance Range Min.	Resistance Range Max.	Resistance Tolerance	Standard Resistance Value
MM-16	1/6W	200V	400V	0, 0.1 ohm	1M ohm	+ - 1%	E-24/E-96
						+ - 2%, 5%	E-24
MM-204	1/4W	200V	400V	0, 0.1 ohm	1M ohm	+ - 1%	E-24/E-96
						+ - 2%, 5%	E-24
MM-207	1/3W	250V	500V	0, 0.1 ohm	10M ohm	+ - 1%	E-24/E-96
						+ - 2%, 5%	E-24
MM-52	1/2W	250V	500V	0, 0.1 ohm	10M ohm	+ - 1%	E-24/E-96
						+ - 2%, 5%	E-24

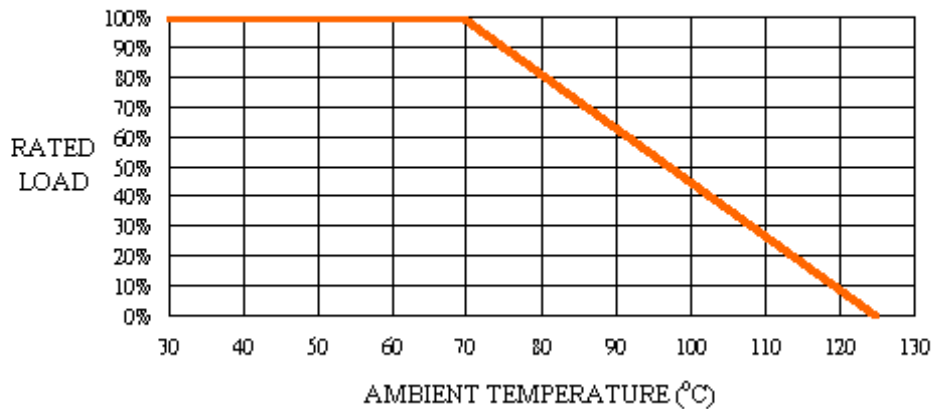
For zero-ohm jumper resistance value is under 20m ohm. Rated current is

2A for MM-16 & MM-204, 4A for MM-207 & MM-52.

For 0.001~0.1 ohm please see CSM series. Special sizes, values, and

specifications not listed available on special order.

POWER DERATING CURVE



Performance Specifications

Characteristics		Limits
Temperature Coefficient	+ - 1%, 2%	+ - 50PPM / degree C
	+ - 5%	+ - 100PPM / degree C
Short Time Overload		+ - (0.5%+0.05R)
Dielectric Withstanding Voltage		MM-16, MM-204: 200VAC MM-207, MM-52: 500VAC
Insulation Resistance		10 ⁴ M ohm
Temperature Cycling		+ - (0.25%+0.05R)
Humidity		+ - (1.5%+0.05R)
Load Life In Humidity		+ - (1.5%+0.05R)
Load Life (at 70)		+ - (1.5%+0.05R)
Resistance To Soldering Heat		+ - (0.5%+0.05R)
Solderability		95% Min.
Vibration		+ - (1%+0.1R)
Terminal Strength		+ - (0.5%+0.05R)
Thermal Shock		+ - (0.5%+0.05R)