

QUALITY RELIABILITY COST-DOWN

Firstohm[®]

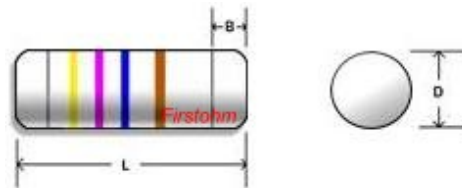
MM - Metal Film MELF Resistor

Specifications Per

- IEC 115-1 115-2
- CECC 40101
- DIN 44061

Features:

- SMD enabled structure
- Conformal Multi-layer Coating Against Humidity
- Excellent Solderability Termination
- 5% is 3-band coded, 1% and under is 4-band coded



Dimensions:

Type	Body Length (L)	Body Diameter (D)	Soldering spot (B)	Net Weight Per 1000 pcs
MM16	3.45mm±0.1mm	1.35±0.1mm	0.6mm Min.	17 grams
MM102	2.2mm max.	1.1mm max.	0.45 mm max.	7.5 grams
MM204	3.45mm±0.1mm	1.35±0.1mm	0.6mm Min.	17 grams
MM207	5.9mm±0.2mm	2.2±0.1mm	1.0mm Min.	66 grams
MM52	5.9mm±0.2mm	2.2±0.1mm	1.0mm Min.	66 grams

Specifications:

Type	Power Rating (at 70 °C)	Max. Working Voltage	Max. Overload Voltage	Resistance Range Min.	Resistance Range Max.	Resistance Tolerance	Standard Resistance Value
MM16	1/6W	200V	400V	0 & 0.1Ω	1MΩ	±1%	E-24/E-96
						±2%, 5%	E-24
MM102	1/5W	150V	300	0 & 10Ω	2.21MΩ	±0.5-5%	E-24/E-96
MM204	1/4W	200V	400V	0 & 0.1Ω	1MΩ	±1%	E-24/E-96
						±2%, 5%	E-24
MM207	1/3W	300V	500V	0 & 0.1Ω	10MΩ	±1%	E-24/E-96
						±2%, 5%	E-24
MM52	1/2W	300V	500V	0 & 0.1Ω	10MΩ	±1%	E-24/E-96
						±2%, 5%	E-24

For zero-ohm jumper, resistance value is under 20 mΩ. Rated current is 2A for MM16 & MM204, 4A for MM207 and MM52. For 1m~100mΩ please see CSM series. Special sizes, values, and specifications not listed available on special order.

Technical Specifications

Characteristics	Limits				
Dielectric Withstanding Voltage, VAC or DC	MM16, MM102, MM204: 200 MM207, MM52: 500				
Temperature Coefficient, PPM /	±1%, 2%	±50			
	±5%	±100			
Operating Temperature Range,	-55 ~ +125				
Film Temperature,	MM16	MM102	MM204	MM207	MM52
	125	125	125	125	140
Insulation Resistance, MΩ	>10 ⁴				

FIRST RESISTOR & CONDENSER CO., LTD. 9F, No. 233, Sec. 4, Sinyi Rd., Taipei 106, Taiwan
Telephone : +886-2-27051878 Fax: +886-2-27036701
Email: QR@Firstohm.com.tw http://www.Firstohm.com.tw