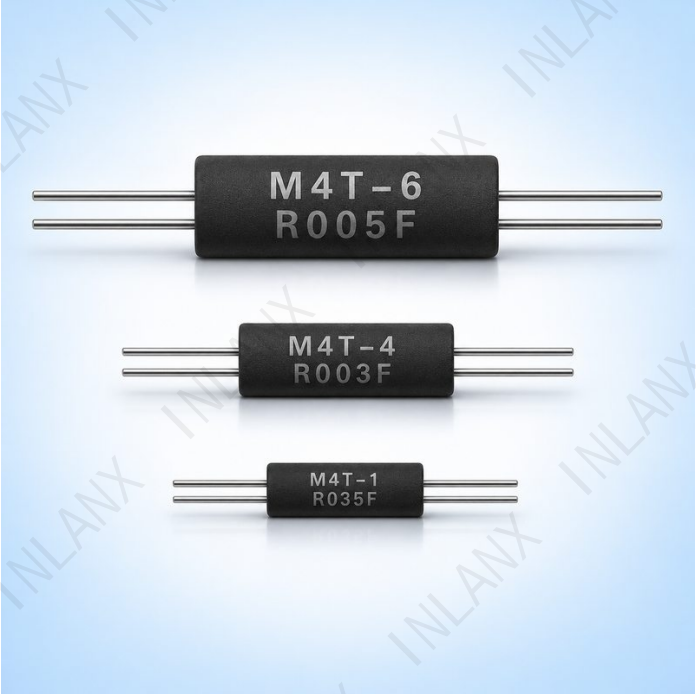
M4T Four-Terminal Wirewound Resistors

Product overview

Low-resistance wirewound resistors with four terminals and molded bodies. The catalog lists 1 W, 2 W, 4 W and 6 W versions, with low resistance, high accuracy and high insulation.



Features

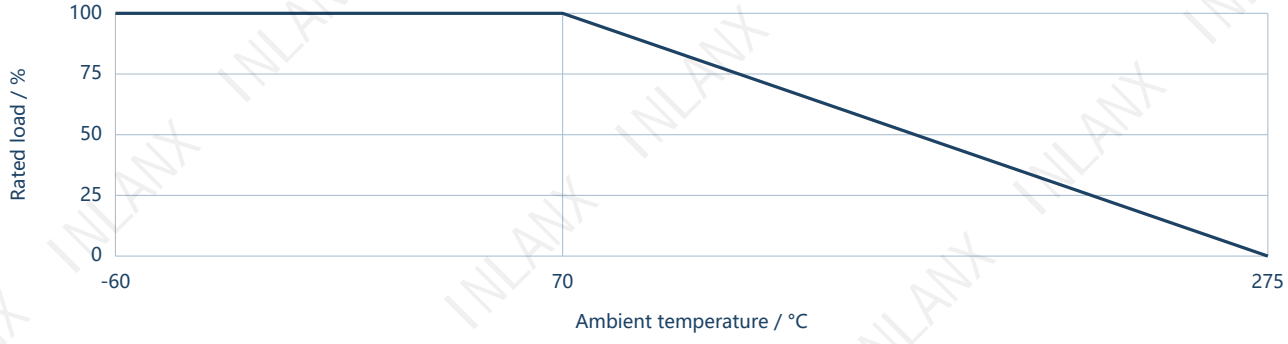
- Low resistance and high accuracy.
- Molded construction with high insulation.
- The supplied catalog states EU RoHS conformity.

Technical ratings and dimensions • mm

Model	W	Resistance / Ω	A	B	C	D
M4T-1	1	0.001-0.06	16.5	6.35	3.2	φ0.8
M4T-2	2	0.001-0.08	20.3	7.62		
M4T-4	4	0.001-0.2	22.8	8.6		φ1
M4T-6	6	0.001-0.6	47.5	11.1		

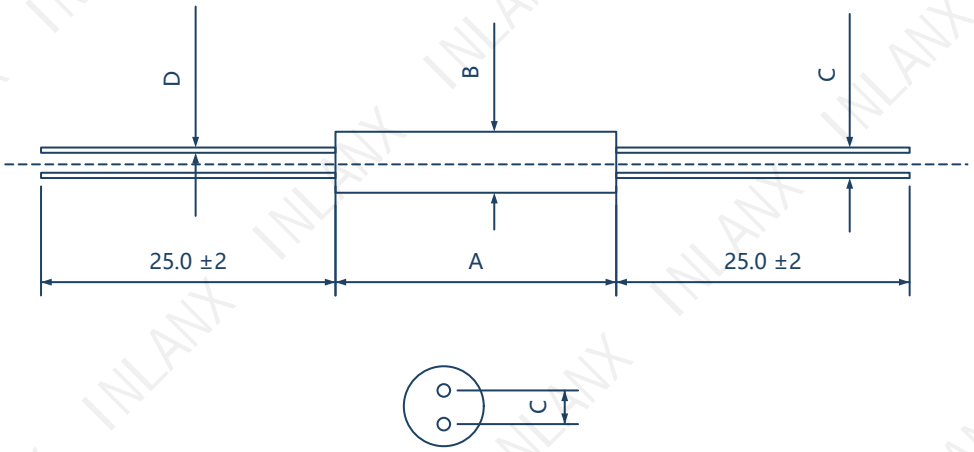
Item	Specification
Tolerance options	±0.5%(D), ±1%(F), ±2%(G), ±5%(J)
TCR options	±50 / ±100 / ±250 ppm/°C

Power derating



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Dimension drawing • mm



Lead length: 25.0±2 mm at each end. Dimension symbols follow the source.

Characteristics and tests

Test item	Requirement	Method / condition
Solderability	Free solder flow and good lead wetting	235±5°C; source duration “2±5 s”, to be confirmed
Soldering heat	ΔR≤±(2%R+0.05 Ω)	200±5°C, 5±1 s; immersion distance from body 6(+1/0) mm
Damp heat	ΔR≤±5%; RI>1000 MΩ	40±2°C, 93% RH, 96 h
Dielectric withstand	No breakdown or flashover	V-block; 1000 V DC or AC peak
Surface temperature rise	≤200°C	Current corresponding to rated power
Temperature cycling	ΔR≤±2%	-55°C / 155°C, 5 cycles
Vibration	ΔR≤±2%	Source “10-500GHZ” unit to be confirmed; amplitude 1.5 mm, 20 sweeps per axis
Load life	ΔR≤±5%	VR, 70°C, 1000 h

RI denotes insulation resistance; ΔR is resistance change after testing. Questionable source units/durations are identified and have not been inferred.