MT Series

Low Ohm Power Resistors

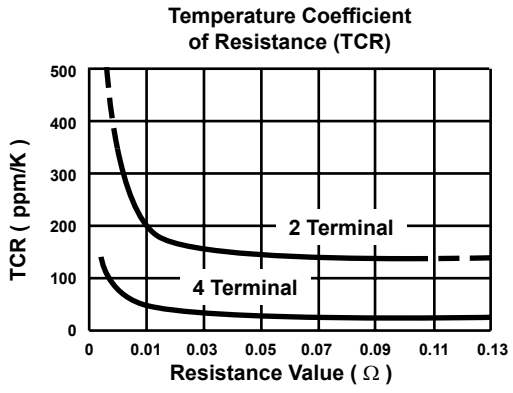


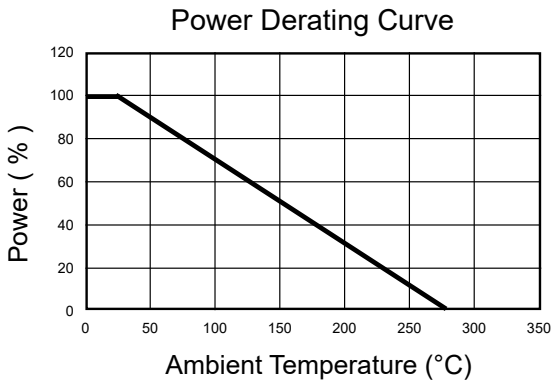
- **Resistances from 0.003 to 0.10Ohms**
- **Tolerance to ±0.1%**
- **TCR's to ± 20 ppm/°C (Four Terminal Version)**
- **For Current Sensing and Shunt Applications**
- **All Welded Construction**
- **Non-Inductive Metal Element**
- **Low Inductance (<10nH)**
- **Four Terminal Versions Available (Consult Factory)**

SPECIFICATIONS

Specification	Value	
Resistance Range	0.003 to 0.10 Ohms*	
Tolerances	2 Terminal: ±1% / ±5% (Contact Factory for Others) 4 Terminal: ±0.1% / ±0.5% / ±1% / ±5% (Contact Factory for Others)	
Temperature Coefficient	See Chart Below	
Inductance	<10nH	
Dielectric Strength	1000VAC (500VAC for MT-1A and MT-2A)	
Insulation Resistance	>1000 MOhms / Dry	
Terminal Finish	100% Matte Tin over Copper	
Flammability	UL94 V-0	
Environmental Performance (MIL-STD 202)	ΔR	Test Conditions
Load Life	±1%	70°C / 90 min ON / 30 min OFF / 1000 hr
Moisture Resistance	±1%	40°C / 90-95% RH / DC 0.1W / 1000 hr
Temperature Cycling	±1%	-40°C for 30 min / +125°C for 30 min / 1000 hr
Short Term Overload	±1%	5X rated power for 5 seconds

*Other values available - Molding Wirewound





Ordering Information

Part Description: Part Type - Resistance - Tolerance - TCR (if not standard) - 4T (if desired)
Example: MT-5 0.01 Ohm 1% 4T

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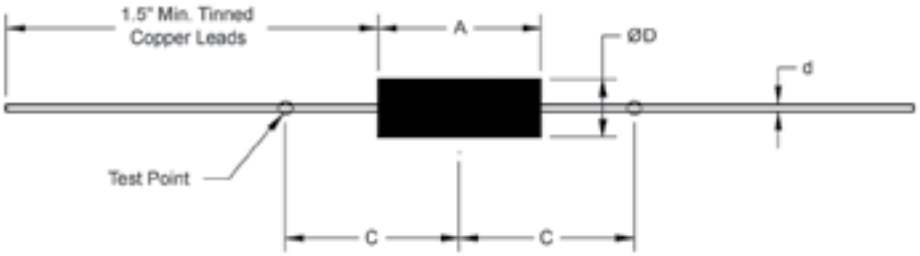
MT Series

Low Ohm Power Resistors

SPECIFICATIONS (continued)

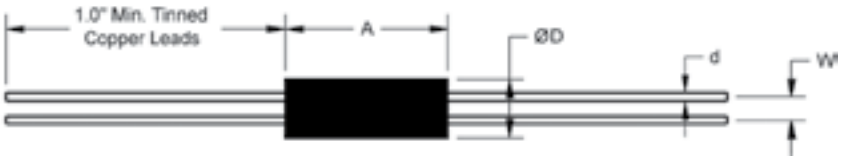
Type	Power Rating Watts @ 25°C	Dimensions				
		A ±0.020" [±0.5mm]	D ±0.020" [±0.5mm]	C ±0.020" [±0.5mm]	d ±0.002" [±0.05mm]	W (4T) ±0.010" [±0.3mm]
MT-1A	1	0.430 [10.9]	0.120 [3.0]	0.590 [15.0]	0.025 [0.6]	-
MT-2A	2	0.430 [10.9]	0.120 [3.0]	0.590 [15.0]	0.032 [0.8]	-
MT-2B	3	0.580 [14.7]	0.200 [5.1]	0.665 [16.9]	0.032 [0.8]	-
MT-2C	3	0.500 [12.7]	0.250 [6.4]	0.625 [15.9]	0.032 [0.8]	-
MT-3	4	0.600 [15.2]	0.250 [6.4]	0.675 [17.1]	0.032 [0.8]	0.125 [3.2]
MT-4	4.5	0.750 [19.1]	0.250 [6.4]	0.750 [19.1]	0.040 [1.0]	0.125 [3.2]
MT-5	5	0.890 [22.6]	0.335 [8.5]	0.820 [20.8]	0.040 [1.0]	0.125 [3.2]
MT-6	6	1.055 [26.8]	0.395 [10.0]	0.903 [22.9]	0.040 [1.0]	0.125 [3.2]
MT-10	10	1.755 [44.58]	0.355 [9.02]	1.338 [34.0]	0.040 [1.0]	0.125 [3.2]

Two Terminal



Terminal Strength: 10lb Pull Test

Four Terminal (4T)



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