

Lo-Ohm Power Resistors

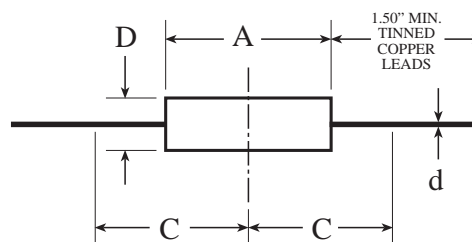
- Ideal for Current Sensing Applications
- Low Inductance: Typically 7 nH
- Resistance from 0.003 to 0.3 Ohms
- Standard Resistance Tolerance to $\pm 1\%$
- Superior Thermal Shock and Moisture Resistance
- MIL-R-49465



Riedon's Lo-Ohm resistors are ideal for current sensing applications in test instruments, power amplifiers, and switching and linear power supplies. These resistors are transfer-molded in a high temperature resin, providing a high power dissipation to size characteristic. This construction also provides superior thermal shock and moisture resistance. The encapsulation will not peel, flake or deteriorate with commonly used cleaning solvents including Freon, and aqueous cleaning. Custom designs are available for special applications.

SPECIFICATIONS

Type	Wattage Rating	A $\pm 0.020"$	D $\pm 0.020"$	C $\pm 0.020"$	D AWG*
MT-1A	1	0.430	0.120	0.590	22
MT-2B	3	0.580	0.200	0.665	20
MT-2C	3	0.500	0.250	0.625	20
MT-3	4	0.600	0.250	0.675	20
MT-4	4.5	0.750	0.250	0.750	18
MT-5	5	0.890	0.335	0.820	18
MT-6	6	1.055	0.395	0.903	18
MT-10	10	1.925	0.475	1.338	18



Terminal Strength: 10 lb. pull test
Solderability: Per MIL-STD-202, Method 208

* Lead Diameter: 18 AWG = 0.040"; 20 AWG = 0.032"; 22 AWG = 0.025"

Resistance Range: 0.003 to 0.3 ohms. Consult factory for extended resistance values

Standard Resistance Tolerances: $\pm 1\%$, $\pm 2\%$, $\pm 3\%$, $\pm 5\%$. Tighter tolerances are available.

Temperature Coefficient of Resistance: (See chart)

Dielectric Strength: 1000 VAC (except 500 VAC for MT-1A)

Insulation Resistance: 10,000 Megohms (dry)

Short Term Overload: 5 seconds at 5 times rated power

Inductance: 7 nH (typical for resistances of 0.055 to 0.1 ohms)

