

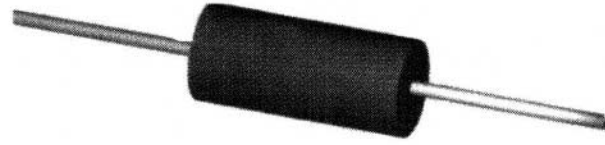
LOW OHMPOWER RESISTORS

MTL-1A, 2B, 2C, 3, 4, 5, 6, 10

LOW-OHM

SPECIFICATIONS

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

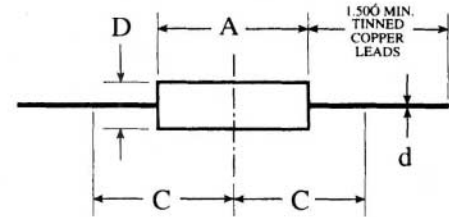


MEGASTAR-OHM's Low-Ohm resistors are ideal for current sensing applications in test instruments, power amplifiers, and switching and linear power supplies. These resistors are transfer-molded in a high temperature resin, providing a high power dissipation to size characteristic. This construction also 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.

DIMENSIONS: (Units=inches)

Type	Wattage Rating	A .020 ϵ	D $\pm .020\epsilon$	C $\pm .020\epsilon$	D AWG*
MTL-1A	1	0.430	0.120	0.590	22
MTL-2B	3	0.580	0.200	0.665	20
MTL-2C	3	0.500	0.250	0.625	20
MTL-3	4	0.600	0.250	0.675	20
MTL-4	4.5	0.750	0.250	0.750	18
MTL-5	5	0.890	0.335	0.820	18
MTL-6	6	1.055	0.395	0.903	18
MTL-10	10	1.925	0.475	1.338	18

*Lead Diameter: 18 AWG = 0.040", 20 AWG = 0.032"; 22 AWG = 0.25"



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

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.

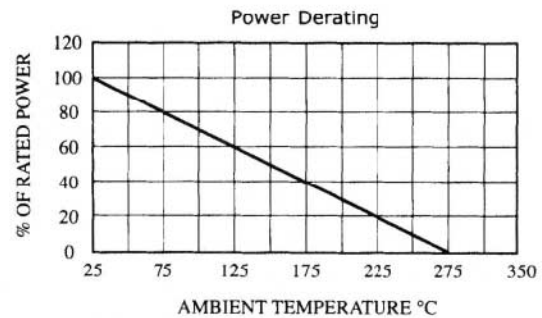
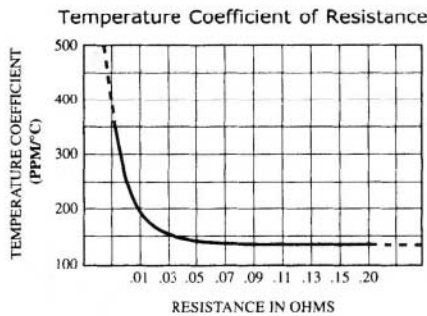
Temperature Coefficient of Resistance: (See chart)

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

Insulation Resistance: 10,000 Megohms (dry)

Short Term Overload: 5 seconds at 5 times rated power

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



ORDERING INFORMATION
MTL-3 - 0.003 - 1%