

FEATURES

- Ideal for current sensing applications.
- 1% Tolerance standard, others available.
- Fixed resistance measuring point "M".
- Low inductance (non-inductive below 0.25Ω).
- RoHS compliant product available Jan. 2006 Add "E" suffix to part number to specify.

SPECIFICATIONS

Material

Terminals: Solder-plated copper leads or copper clad steel depending on ohmic value.

Encapsulation: Silicone molding compound.

Derating

Linearly from 100% @ +25°C to 0% @ +275°C.

Electrical

Tolerance: ±1% standard. Others available.

Power rating: Based on 25°C free air rating.

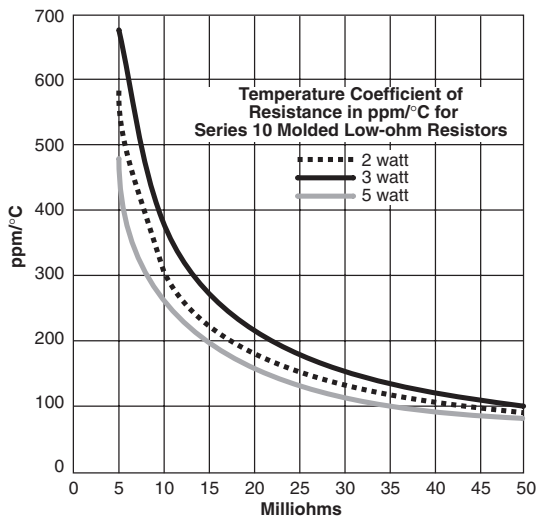
Overload: 5 times rated wattage for 5 seconds.

Dielectric withstanding voltage: 1000 VRMS for 3 and 5 watt; 500 VRMS for 2 watt.

Insulation resistance: Not less than 1000MΩ.

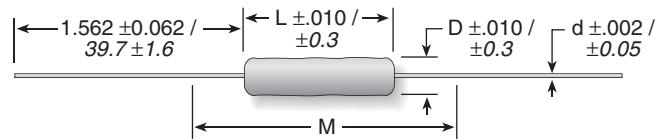
Thermal EMF: Less than ±2μV/°C.

Temperature range: -55°C to 275°C.



10 Series

Lo-Mite® Molded Silicone Axial Lead Wire Element Resistors 1% - 5% Tolerance



Series	Wattage	Ohms	Dimensions (in. / mm)			
			Length	Diam.	"M"	Lead ga.
12	2	0.005-0.10	0.406 / 10.3	0.094 / 2.4	1.156 / 29.4	20
13	3	0.005-0.20	0.560 / 14.2	0.205 / 5.2	1.310 / 33.3	20
15	5	0.005-0.25	0.925 / 23.5	0.330 / 8.4	1.675 / 42.5	18

STOCK PART NUMBERS			
Ohmic value	2 watt	Part number 3 watt	5 watt
0.005	12FR005	13FR005	15FR005
0.010	12FR010	13FR010	15FR010
0.015	12FR015	13FR015	15FR015
0.020	12FR020	13FR020	15FR020
0.025	12FR025	13FR025	15FR025
0.030	12FR030	13FR030	15FR030
0.040	12FR040	13FR040	15FR040
0.050	12FR050	13FR050	15FR050
0.060	12FR060	13FR060	15FR060
0.070	12FR070	13FR070	15FR070
0.080	12FR080	13FR080	15FR080
0.090	12FR090	13FR090	15FR090
0.100	12FR100	13FR100	15FR100
0.150		13FR150	15FR150
0.200		13FR200	15FR200
0.250			15FR250