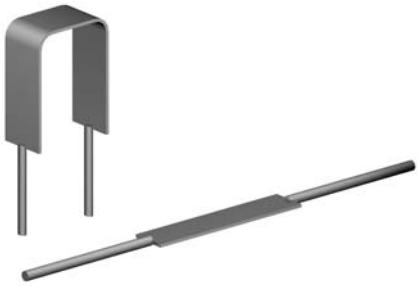
Type MS
Bare Metal Element Resistors

- **Designed For Current Sensing or Shunt Applications**
- **Economical Bare Metal Resistance Element**
- **Special Lead Configuration Available**
- **Welded, Flameproof Construction**
- **Values from 0.005 Ohms, Tolerance to ±1%**
- **Low Inductance**



Riedon's bare element resistors were developed for current sensing and shunt applications. The resistance element is a special ribbon alloy, with the tinned copper or copper-clad steel leads welded to the element. This rugged construction offers a low-cost and reliable alternative to encapsulated designs.

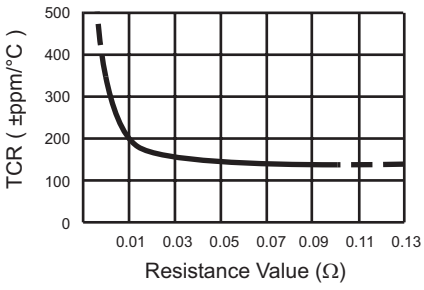
Since this design is so flexible, we list typical specifications and encourage your custom applications. Please contact us for an optimum design for your application.

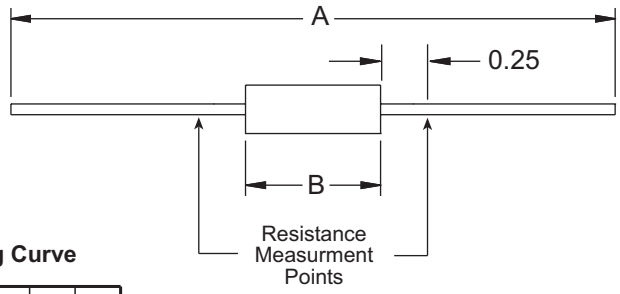
SPECIFICATIONS

Type	Power Rating (25°C)	Resistance Range	Tolerances	Inductance	Dimensions - (in.) * A	B	Lead
MS-1	1	0.005 to 0.1	±1%, ±5%	< 10nH	3.50	0.70	0.040
MS-3	3	0.005 to 0.1	±1%, ±5%	< 10nH	3.90	1.00	0.040
MS-5	5	0.005 to 0.05	±1%, ±5%	< 10nH	4.10	1.80	0.040

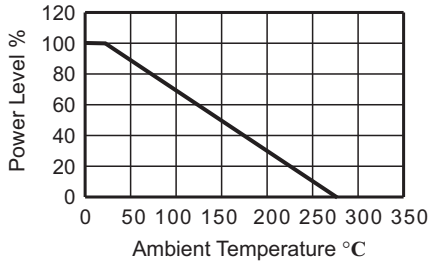
* Dimensions are for reference only as lengths will change for diferent resistance values. Consult Riedon for dimensions of your application.

Temperature Coefficient of Resistance

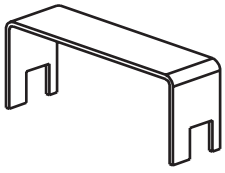




Power Derating Curve



Special Configurations are Available



Ordering information:

Part Number - Resistance - Tolerance - TCR

Example: **MS-3 - 0.05 Ohm - 1% - 75ppm**

Riedon Inc. 300 Cypress Avenue Alhambra CA 91801 (626) 284-9901 Fax: (626) 284-1704
www.riedon.com

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