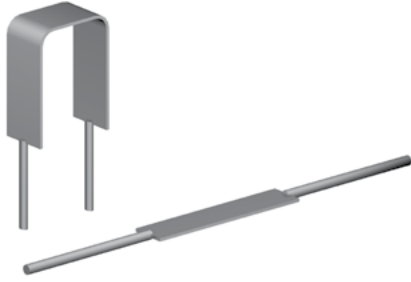


# MS Series

Bare Metal Element Resistors

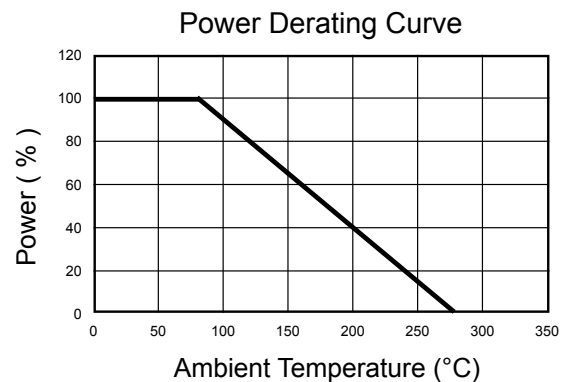
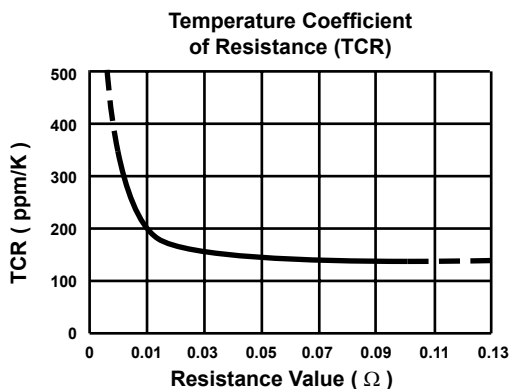
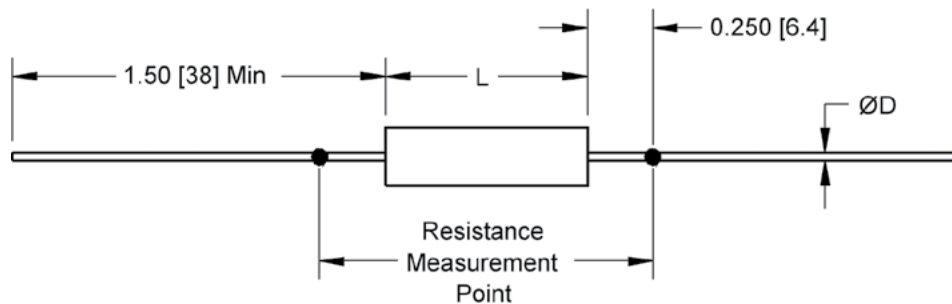


- Resistances from 0.005 to 0.10 Ohms
- Tolerance to  $\pm 1\%$
- Resistance Wire TCR:  $\pm 20 \text{ ppm}/^\circ\text{C}$
- For Current Sensing and Shunt Applications
- All Welded Construction
- Low Inductance (  $< 10 \text{ nH}$  )
- Economical Bare Metal Element

## SPECIFICATIONS

| Type | Power Rating<br>Watts @ 85°C | Resistance<br>Range ( $\Omega$ ) <sup>1</sup> | Tolerances            | TCR<br>( $\text{ppm}/^\circ\text{C}$ ) | Dimensions                               |                                                 |
|------|------------------------------|-----------------------------------------------|-----------------------|----------------------------------------|------------------------------------------|-------------------------------------------------|
|      |                              |                                               |                       |                                        | L<br>+0.040 / -0.020"<br>[+1.0 / -0.5mm] | D<br>$\pm 0.002$ "<br>[ $\pm 0.05 \text{ mm}$ ] |
| MS-1 | 1                            | 0.005 to 0.10                                 | $\pm 1\%$ / $\pm 5\%$ | See Chart                              | Consult Riedon                           | 0.032 [0.8]<br>0.040 [1.0]                      |
| MS-3 | 3                            | 0.005 to 0.10                                 | $\pm 1\%$ / $\pm 5\%$ | See Chart                              | Consult Riedon                           | 0.040 [1.0]                                     |
| MS-5 | 5                            | 0.005 to 0.05                                 | $\pm 1\%$ / $\pm 5\%$ | See Chart                              | Consult Riedon                           | 0.040 [1.0]                                     |

<sup>1</sup> Call Factory for Other Resistances



## Ordering Information

Part Description: Part Type - Resistance - Tolerance - TCR ( If not standard )

Example: MS-3 0.05 Ohm 1%