



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

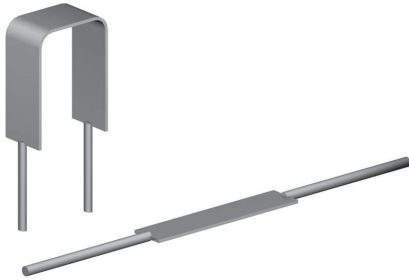
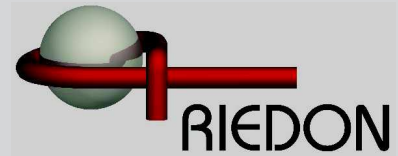
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



# 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

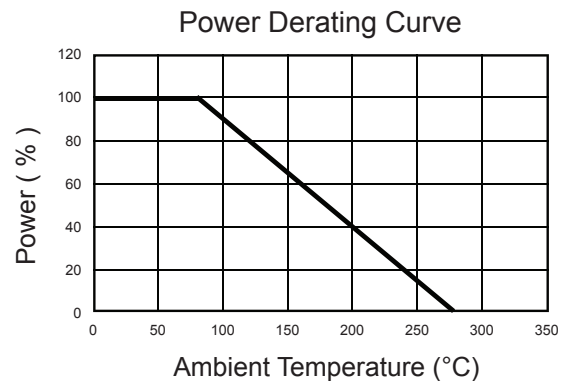
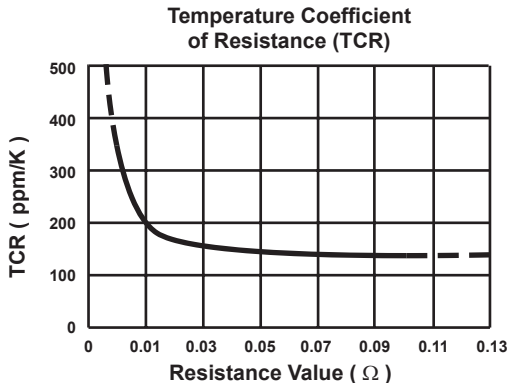
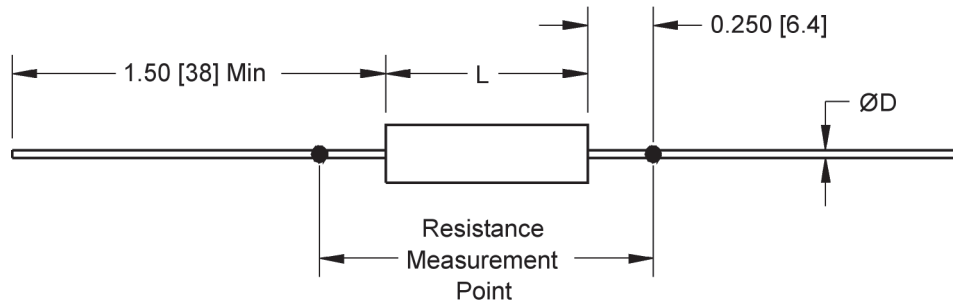


## SPECIFICATIONS

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

Note: Terminal Finish 100% Matte Tin over Copper

<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%