MSR Series

Bare Metal Element Resistors

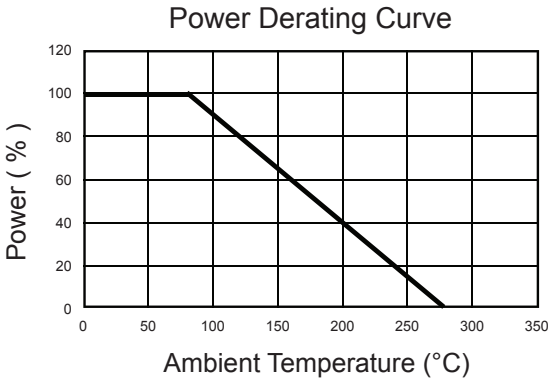


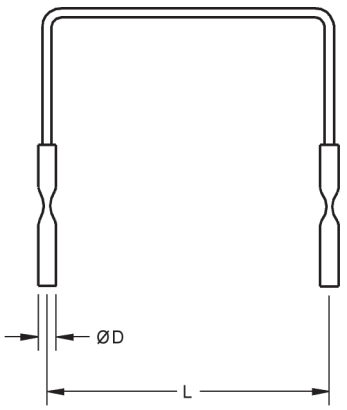
- **Resistances from 0.005 to 0.100Ohms**
- **Tolerance to ±1%**
- **Resistance Wire TCR: ± 20ppm/°C**
- **For Current Sensing and Shunt Applications**
- **All Welded Construction**
- **Low Inductance (<10nH)**
- **Economical Bare Metal Element**

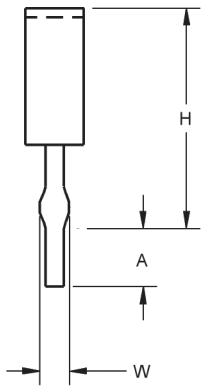
SPECIFICATIONS

Type	Power Rating Watts @ 85°C	Resistance (Ω)[1]	Tolerances	Dimensions				
				L +0.040 / -0.020" [+1.0 / -0.5mm]	H	D ±0.002" [±0.05mm]	W +0.010 / -0.005" [+0.25 / -0.13mm]	A ±0.030" [±0.8mm]
MSR-1	1	0.005, 0.01, 0.02, 0.025, 0.03, 0.04, 0.05, 0.1	±1% / ±5%	0.450 [11.4]	0.200 [5.1] ±0.100" [±2.5mm]	0.040 [1.0]	0.065 [1.7]	0.125 [3.2]
MSR-3	3	0.005, 0.01, 0.015, 0.02, 0.025, 0.03, 0.04, 0.05, 0.1	±1% / ±5%	0.600 [15.2]	1.0 [25.4] MAX	0.040 [1.0]	0.065 [1.7]	0.125 [3.2]
MSR-5	5	0.005, 0.01, 0.015, 0.02, 0.025, 0.03, 0.05, 0.1	±1% / ±5%	0.800 [20.3]	1.0 [25.4] MAX	0.040 [1.0]	0.065 [1.7]	0.125 [3.2]

[1] Call Factory for Other Resistances







Standard Package Quantities	
MSR-1	250 (Bulk Only)
MSR-3	
MSR-5	

Ordering Information

Part Description: Part Type - Resistance - Tolerance
Example: MSR-3 0.100Ohm 1%