



M-GAUGES

Product Code	Total Length, mm (inch)	Active Length, mm (inch)	Width, mm (inch)	Lead Attachment	Thickness, mm (inch)	Resistance, Ω @ 25°C	Gauge Factor	TCGF % change per 56°C/100°F temperature variation	TCR
SS-060-040-2500 PM	1.524 (0.06)	1.016 (0.04)	0.813 (0.032)	Welded	0.010 (0.0004)	2500±150	140±10	-13%	17%

Standard gauge specification			
Materials	Operating strain	Linearity	Operating temperature
Doped Silicon, single crystal	+/- 3000 $\mu\text{m}/\text{m}$ (standard); +/- 9000 $\mu\text{m}/\text{m}$ (special)	better than +/- 0.25% to 600 $\mu\text{m}/\text{m}$; better than 1.5% to 1500 $\mu\text{m}/\text{m}$	260 °C (standard)

IF YOU USE MORE THAN ONE GAUGE IN COMBINATION, MINIMIZE THERMAL IMBALANCE AND DRIFT BY SELECTING SETS OF THERMALLY MATCHED GAUGES

Standard matching	
Temperature	% of base resistance
-18 °C	+/- 0.6%
25 °C	+/- 0.4%
135 °C	+/- 0.4%

MIL SPEC MATCHING TO TIGHTER TOLERANCE AND ADDITIONAL TEMPERATURE POINTS AVAILABLE

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