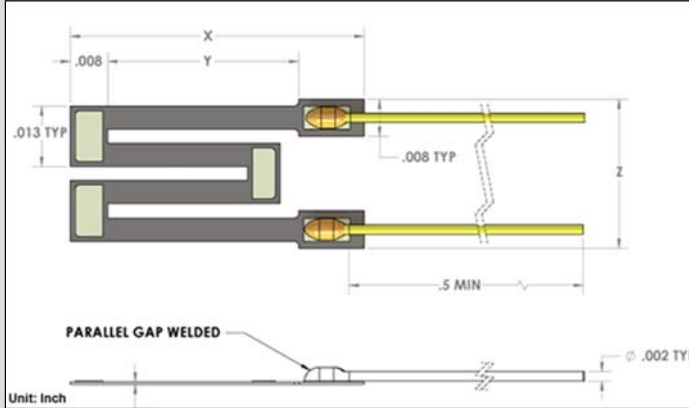


"M" STRAIN GAGE DATA

"M" GAGE SCHEMATIC

See Table for X, Y & Z dimensions
 X=Overall Length
 Y= Active Area
 Z= Width



"M" SHAPED GAGE

Part Number X Y	Z	Lead Attachment	Thickness	Resistance Ohms @ 78°F	Gage Factor	TCGF	TCR
SS-060-040-2500PM	0.032	Welded	0.004	2500 ± 150	140 ± 10	-13%	17%

STRAIN GAGE ORDERING INFO

STANDARD SEMICONDUCTOR STRAIN GAGES

Micron semiconductor strain gages are made from "P" doped bulk silicon. This is a two terminal resistive device. The silicon is micro machined to shape thus eliminating molecular dislocation or cracks, thereby optimizing performance.

STANDARD GAGE SPECIFICATIONS

Materials	Czochralski pulled boron doped silicon
Leads	.002 dia. Gold x 0.5 in. long. Some gages have .0015 dia. Leads.
Contact Pads	Gold nickel fused, vapor deposited gold or vapor deposited aluminum for Hi-Temp
Lead Attachments	Parallel gap welded with epoxy reinforcement. Ball Bond or Wedge Bond
Operating Strain	±2000 μ inch/inch (3000 μ inch/inch max.)
Linearity	Better than ±0.25% to 600 μ inch/inch Better than ±1.5% to 1500 μ inch/inch
Max. Operating Temperature	500°F

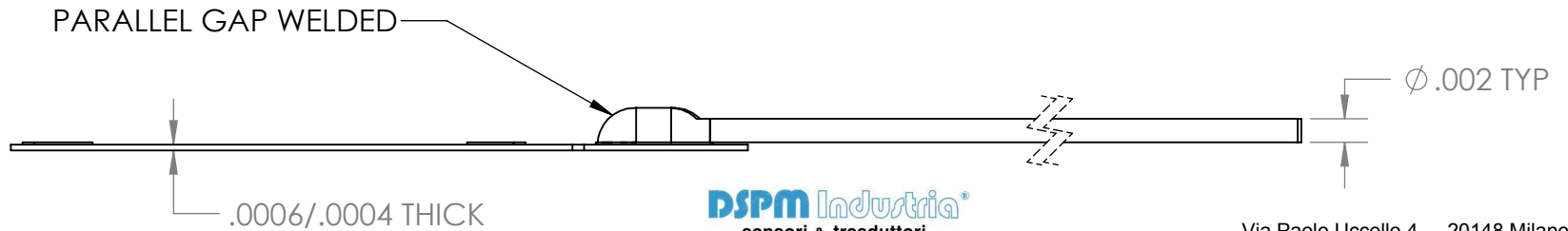
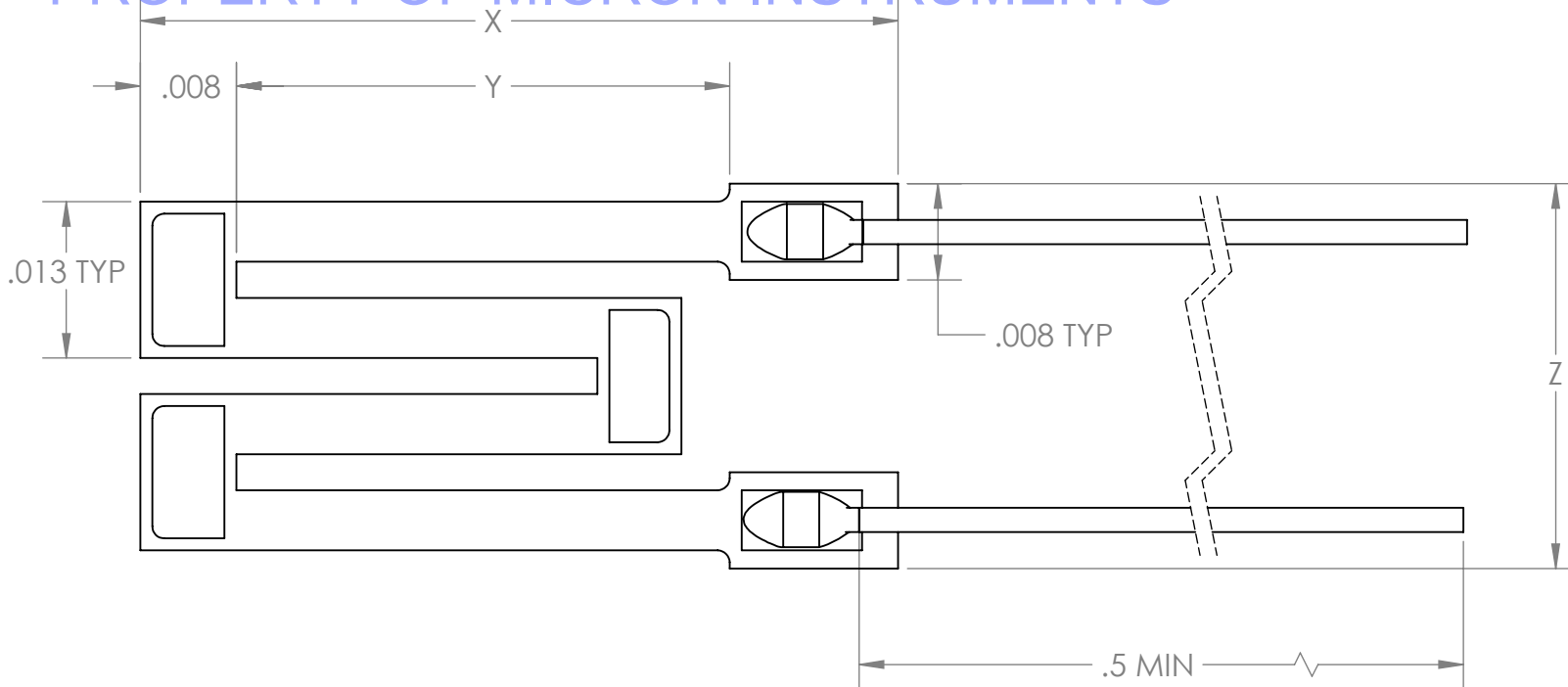
Ordering Guidelines	Example
A. Model (SS)	<p>SS-080-050-500P U S4 is a Semiconductor Strain gage with a total length of 080 and an active length of 050. The gage has a nominal resistance of 500 at 78 degrees F. The gage is further defined as Dopant P and Configured as a 'U'* Gage. S4 specifies a matched set of 4 gages.</p> <p>Note:</p> <ul style="list-style-type: none"> ▪ S4 Matched set of 4 gages ▪ S2 Matched set of 2 gages. ▪ S1 Single gage with data. ▪ S0 Bulk gage without data. <p>*Specify Gage Type: "U", "M" or Leave Blank for Bar Gage. For Matched Sets of S5 up to sets of S16 Consult Factory</p>
B. Total Length	
C. Active Length	
D. Nominal Resistance at 78°F	
E. Dopant	
F. U Gage, M Gage, or Leave Blank for Bar Gage*	
G. Specifies Single, Matched or Bulk Gages	

Standard Bridge Matching

Temperature °F	0°	78°	278°	
Standard Matching	±0.6%	±0.4%	±0.4%	Percent of Base Resistance

Note: Custom special matching gages (Mil-Spec.) or additional data points are also available.

PROPERTY OF MICRON INSTRUMENTS



DSPM Industria®
sensori & trasduttori

Tel +39 02 48 009 757 Fax +39 02 48 002 070

Via Paolo Uccello 4 - 20148 Milano
info@dspmindustria.it www.dspmindustria.it

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MICRON INSTRUMENTS. REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF MICRON INSTRUMENTS IS PROHIBITED.

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES		DRAWN	x
		TOLERANCES:		CHECKED	09/09/13
		ANGULAR: MACH ± 0° 30		ENG APPR.	
		ONE PLACE DECIMAL ± .030		MFG APPR.	
		TWO PLACE DECIMAL ± .010		Q.A.	
		THREE PLACE DECIMAL ± .005		COMPANY:	
		ALL DIA .005 TIR, RADII .005 MAX			
		SURFACE FINISH $\sqrt{32}$			
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

MICRON INSTRUMENTS

TITLE:

M-GAGE

SIZE	DWG. NO.	REV
A	MI-WEB	-

SCALE: 64:1	WEIGHT:	SHEET 1 OF 1
-------------	---------	--------------