



ABSOLUTE PRESSURE TRANSDUCER

SPT-1000 SERIES

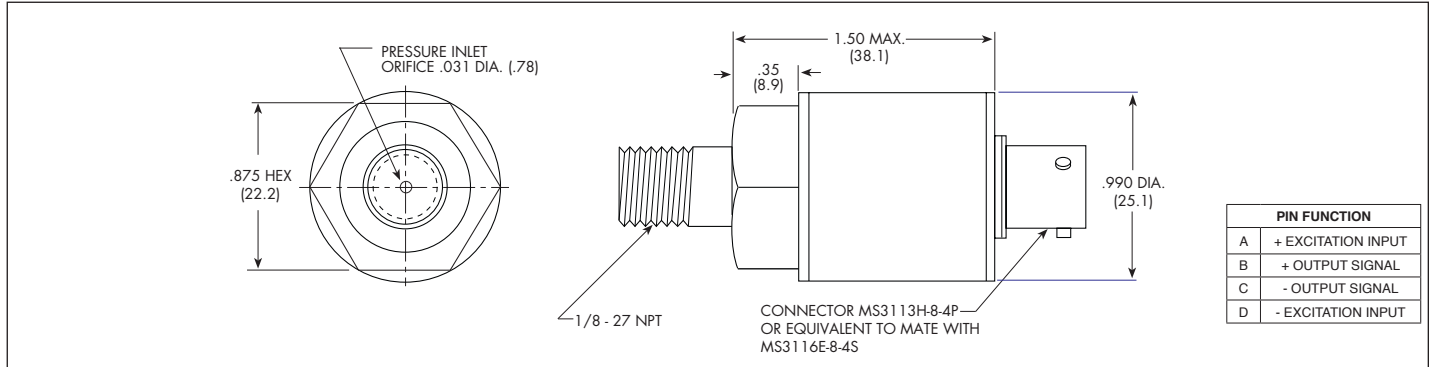
- All Stainless Steel Construction
- Hermetically Sealed
- Dielectrically Isolated
- Silicon on Silicon Sensor

**Off The Shelf -
Immediate Delivery**

The SPT-1000 Series Pressure Transducer offers state of the art technology in a low cost mechanically robust package.



Kulite recommends the [KSC Series](#) of signal conditioners to maximize the measurement capability of the SPT-1000 transducer.



	100	200	300	2500 PSI	
INPUT	Pressure Range	100	200	300	2500 PSI
	Operational Mode	Absolute			
	Over Pressure	2 Times Rated Pressure			
	Burst Pressure	3 Times Rated Pressure			
	Pressure Media	Any Liquid or Gas Compatible With 17-4PH or 316 Stainless Steel			
	Rated Electrical Excitation	12 VDC			
	Input Impedance	> 1000 Ohms			
OUTPUT	Output Impedance	2000 Ohm (Max.)			
	Full Scale Output (FSO)	100 mV (Nom.)			
	Residual Unbalance	± 5 mV (Typ.)			
	Combined Non-Linearity, Hysteresis and Repeatability	± 0.1% FSO BFSL (Typ.)			
	Hysteresis	± 0.1% FSO (Max.)			
	Repeatability	± 0.1% FSO (Max.)			
	Resolution	Infinitesimal			
ENVIRONMENTAL	Insulation Resistance	50 Megohm Min. @ 50 VDC			
	Operating Temperature Range	0°F to +250°F (-18°C to +120°C)			
	Compensated Temperature Range	80°F to +180°F (25°C to +80°C)			
	Compensated Total Error Band	± 2%			
PHYSICAL	Humidity	100% Relative Humidity			
	Pressure Port	1/8 - 27 NPT			
	Electrical Connection	MS3113H-8-4P or Equivalent			
	Weight	80 Grams Approx.			
Pressure Sensing Principle	Fully Active Four Arm Wheatstone Bridge Dielectrically Isolated Silicon on Silicon				

Please consult factory for cost and availability.

Note: Custom pressure ranges, accuracies and mechanical configurations available. Dimensions are in inches. Dimensions in parenthesis are in millimeters. All dimensions nominal. (E) Continuous development and refinement of our products may result in specification changes without notice. Copyright © 2014 Kulite Semiconductor Products, Inc. All Rights Reserved.