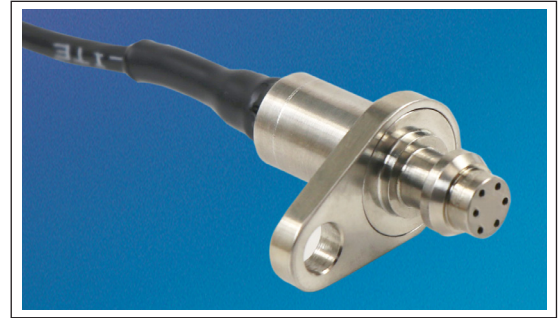




FLANGE MOUNT ULTRAMINIATURE 5V OUTPUT PRESSURE TRANSDUCER

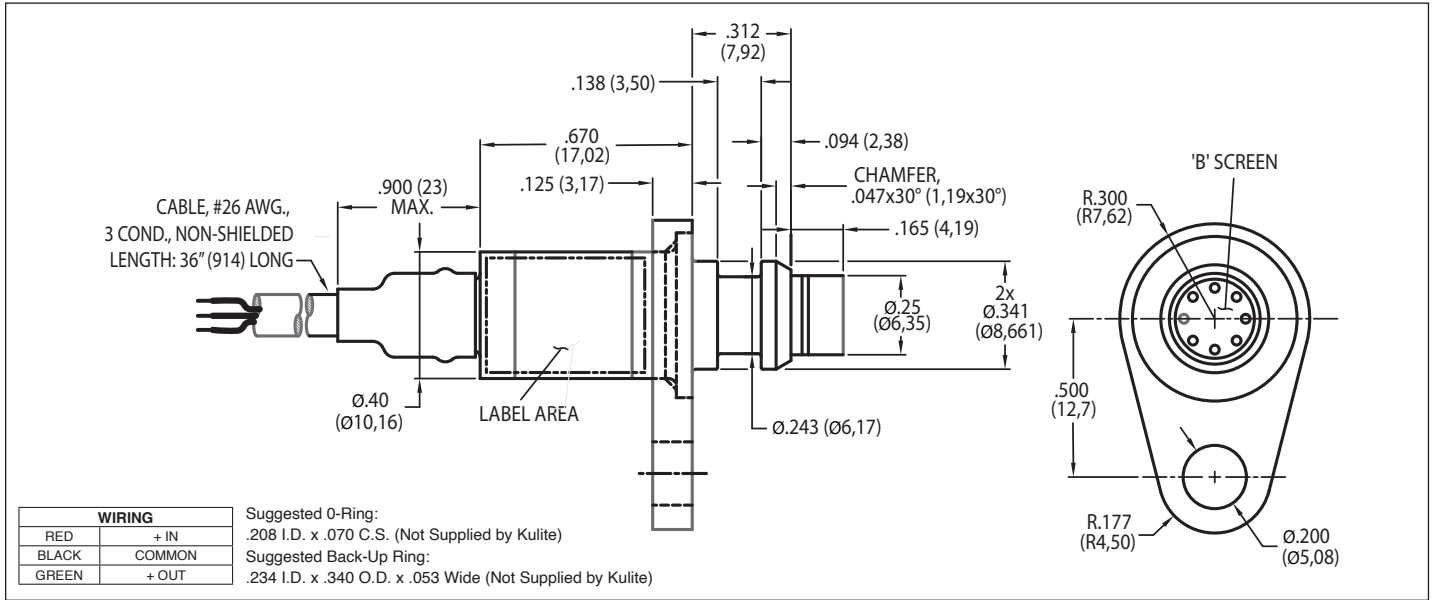
KZSL-400 SERIES

- Robust Construction
- Excellent Long Term Stability
- Patented Leadless Technology **VIS**[®]
- Designed For Industrial And Automotive Applications



The KZSL-400 is a miniature flange mount pressure transducer. The pressure transducer utilizes a patented silicon on silicon design. All wetted parts of the transducer are compatible with most automotive fluids.

Part performance not guaranteed if used in water. For Installation Drawing, refer to **Installation Standard Series**, Page 3.



	2 29	5 72	10 BAR 145 PSI
INPUT			
Pressure Range	2 29	5 72	10 BAR 145 PSI
Operational Mode	Absolute, Sealed Gage		
Over Pressure	2 Times Rated Pressure		
Burst Pressure	3 Times Rated Pressure to a Maximum of 7500 PSI (517 BAR)		
Pressure Media	Any Liquid or Gas Compatible with 15-5 S/S, Kovar and SiO ₂		
Maximum Electrical Current	25 mA		
Rated Electrical Excitation	8 to 16 VDC		
OUTPUT			
Full Scale Reading	4.5V ± 1.5% (3 Wire System Single Ended Output)		
Residual Unbalance	0.5V ± 75mV		
Output Impedance	<1000 Ohms		
Sensor Response Time	0.7 ms (Nom.)		
Combined Non-Linearity, Hysteresis and Repeatability	± 0.1% BFSL (Typ.), ± 0.25% BFSL (Max.)		
Resolution	Infinitesimal		
Insulation Resistance	100 Megohm Min. @ 50 VDC		
ENVIRONMENTAL			
Operating Temperature Range	-67°F to +365°F (-55°C to +185°C)		
Compensated Temperature Range	+68°F to +347°F (+20°C to +175°C)		
Total Error Band (Excluding End Points)	± 2% FS/100°C		
Linear Vibration	50g Peak, Sine 130-5000 Hz. (Max.)		
Mechanical Shock	20g half Sine Wave 11 msec. Duration		
PHYSICAL			
Electrical Connection	3 Conductor 26 AWG Non-Shielded Cable 36" (914) Long		
Weight	15 Grams (Nom) Excluding Cable		
Pressure Sensing Principle	Fully Active Four Arm Wheatstone Bridge Dielectrically Isolated Silicon on Silicon Patented Leadless Technology		

Note: Custom pressure ranges, accuracies, mechanical configurations. Dimensions are in inches. Dimensions in parenthesis are in millimeters. All dimensions nominal. (E)
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Kulite miniature pressure transducers are intended for use in test and research and development programs and are not necessarily designed to be used in production applications. For products designed to be used in production programs, please consult the factory.