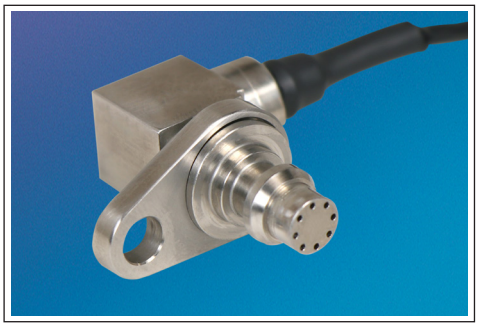
FLANGE MOUNT ULTRAMINIATURE 5V OUTPUT PRESSURE TRANSDUCER

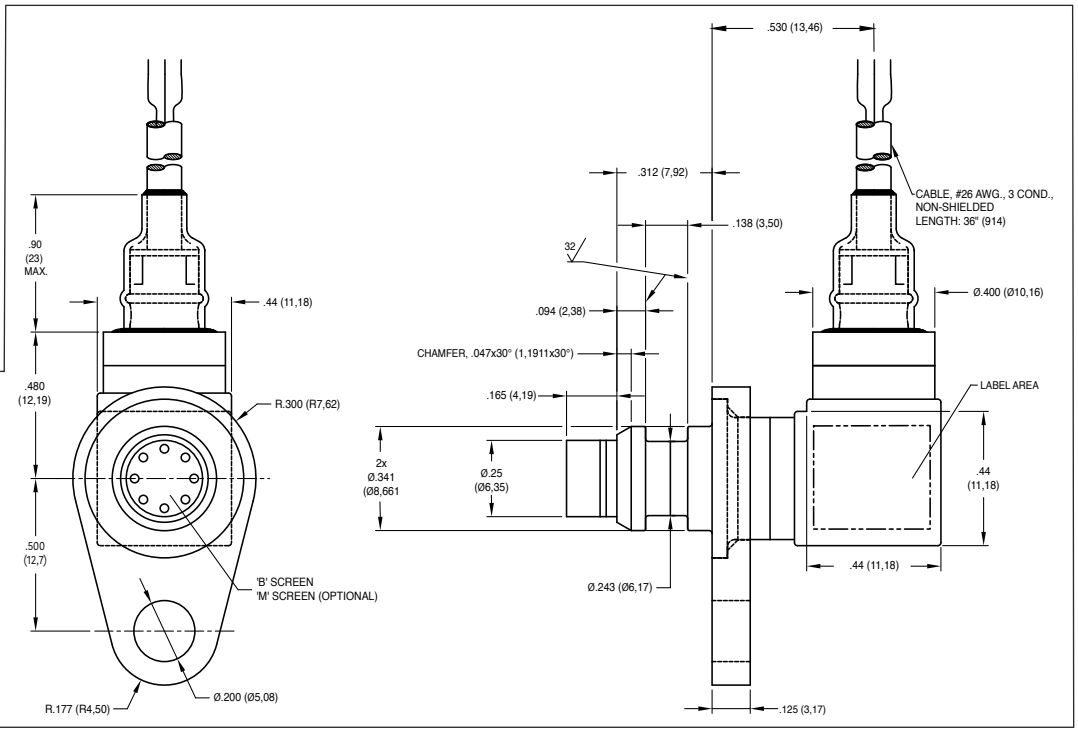
KZSL-400R SERIES

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



The KZSL-400R 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.



Suggested 0-Ring:
.208 I.D. x .070 C.S.
(Not Supplied by Kulite)
Suggested Back-Up Ring:
.234 I.D. x .340 O.D. x .053 Wide
(Not Supplied by Kulite)

WIRING	
RED	+ IN
BLACK	COMMON
GREEN	+ OUT

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. (D)
Continuous development and refinement of our products may result in specification changes without notice. *Copyright © 2022 Kulite Semiconductor Products, Inc. All Rights Reserved.*
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.

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