

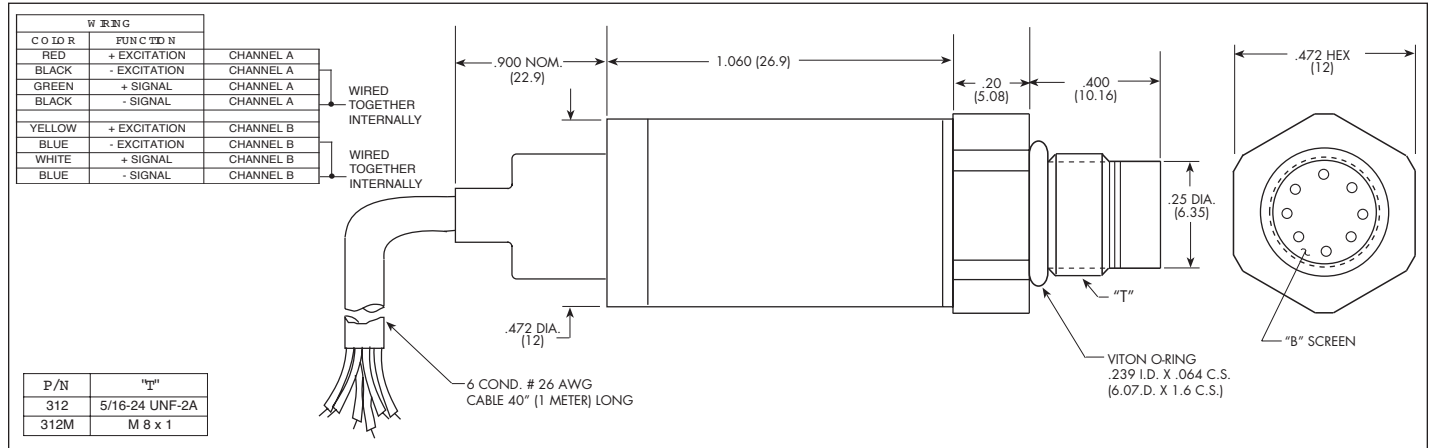
ULTRAMINIATURE 5V DUAL OUTPUT PRESSURE TRANSDUCER

ETLR-634(X)-312 (M) SERIES

- Two Independent Sensing Elements In One Housing
- Dual Separate Output Signal
- Robust Construction
- Designed For Industrial and Automotive Applications
- Patented Leadless Technology VIS®

The ETLR-634-312 (M) is an ultraminiature threaded redundant pressure transducer. The two sensing elements utilize a patented leadless technology, dual independent signal output combined in the same housing. The two sensing elements are designed to operate independently. All wetted parts of the transducer are compatible with most industrial and automotive fluids.

Part performance not guaranteed if used in water.



INPUT	Pressure Range	1.7 25	3.5 50	7 100	17 250	35 500	70 1000	170 2500	250 BAR 3600 PSI	
	Operational Mode	Absolute, Sealed Gage								
	Over Pressure	2 Times Rated Pressure to 1000 PSI (70 BAR) 1.5 Times Rated Pressure Above 1000 PSI to a Max. of 5000 PSI (350 BAR)								
	Burst Pressure	3 Times Rated Pressure to a Max. of 5000 PSI (350 BAR)								
	Pressure Media	Most Conductive Liquids and Gases - Please Consult Factory (All Media May Not Be Suitable With O-Ring Supplied)								
	Maximum Electrical Current	25 mA								
	Rated Electrical Excitation	12 ± 4 VDC								
OUTPUT	Full Scale Reading (X)	4.9V ± 2% (A)	4.5V ± 1.5% (B)	4.5V ± 1% (C)	4.9V ± 1.5% (D)	4.75V ± 1% (E)	4.7V ± 1% (F)			
	Output Impedance	200 Ohms (Nom.)								
	Bandwidth (-3dB)	DC to 3000 Hz								
	Residual Unbalance (X)	350 ± 50 mV (A)	500 ± 75 mV (B)	300 ± 45 mV (C)	300 ± 75 mV (D)	300 ± 50 mV (E)	300 ± 50 mV (F)			
	Combined Non-Linearity, Hysteresis and Repeatability	± 0.1% BFSL (Typ.), ± 0.25% BFSL (Max.)								
	Resolution	Infinitesimal								
	Acceleration Sensitivity % FS/g Perpendicular	5.0x10 ⁻⁴	3.0x10 ⁻⁴	1.5x10 ⁻⁴	1.0x10 ⁻⁴	6.0x10 ⁻⁵	4.0x10 ⁻⁵	2.5x10 ⁻⁵	1.7x10 ⁻⁵	
ENVIRONMENTAL	Insulation Resistance	100 Megohm Min. @ 50 VDC								
	Operating Temperature Range	-65°F to +365°F (-55°C to +185°C)								
	Compensated Temperature Range	+68°F to +350°F (+20°C to +175°C)								
	Total Error Band (Excluding End Point)	± 2% FS/180°F (100°C) ≤ 217.5 PSI (15 BAR), ± 1% FS/180°F (100°C) ≥ 217.5 PSI (15 BAR)								
	Linear Vibration	10-2,000 Hz Sine, 100g. (Max.)								
PHYSICAL	Mechanical Shock	20g half Sine Wave 11 msec. Duration								
	Electrical Connection	6 Conductor 26 AWG Cable 40" (1 Meter) Long								
	Weight	15 Grams (Nom.) Excluding Cable								
	Pressure Sensing Principle	Two Fully Active Four Arm Wheatstone Bridge Dielectrically Isolated Silicon on Silicon Patented Leadless Technology								
Mounting Torque	50 Inch-Pounds (Max.) 6Nm									

(X) Denotes FSR and Residual Unbalance Options (A), (B), (C), (D), (E) or (F).

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

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