

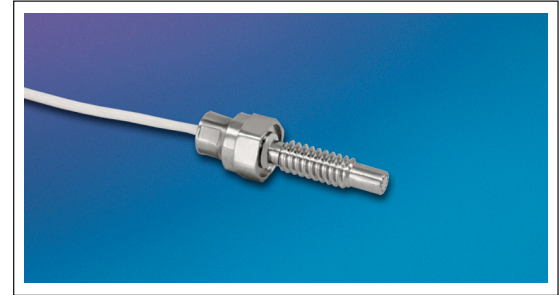


# SUBMINIATURE PRESSURE TRANSDUCER

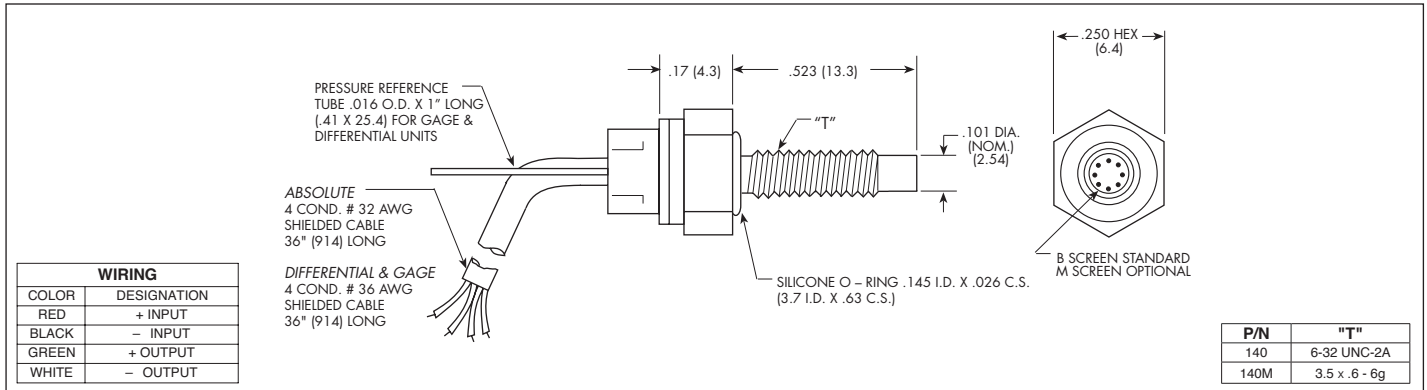
## XTL-140 (M) SERIES

- Easy Installation
- Smallest Threaded Device Available
- Patented Leadless Technology **VIS**<sup>®</sup>
- High Natural Frequency
- Suitable For Use in Most Conductive Liquids and Gases

The XTL-140 Series utilizes Kulite's Patented Leadless Technology to obtain extremely high natural frequencies in the smallest thread mount available. Part performance not guaranteed if used in water.



Kulite recommends the **KSC Series** of signal conditioners to maximize the measurement capability of the XTL-140 transducer.



	0.7 10	1.0 15	1.7 25	3.5 50	7 100	17 250	35 BAR 500 PSI
<b>INPUT</b>	Pressure Range		Absolute, Gage, Differential		Absolute, Gage, Sealed Gage, Differential		Absolute, Sealed Gage
	Operational Mode						
	Over Pressure						
	Burst Pressure						
	Pressure Media						
	Rated Electrical Excitation						
	Maximum Electrical Excitation						
	Input Impedance						
<b>OUTPUT</b>	Output Impedance						
	Full Scale Output (FSO)						
	Residual Unbalance						
	Combined Non-Linearity, Hysteresis and Repeatability						
	Resolution						
	Natural Frequency of Sensor Without Screen (KHz) (Typ.)						
	Acceleration Sensitivity % FS/g Perpendicular						
	Insulation Resistance						
<b>ENVIRONMENTAL</b>	Operating Temperature Range						
	Compensated Temperature Range						
	Thermal Zero Shift						
	Thermal Sensitivity Shift						
	Mechanical Shock						
	Linear Vibration						
<b>PHYSICAL</b>	Electrical Connection						
	Weight						
	Pressure Sensing Principle						
	Mounting Torque						

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