

## JRE 5VDC OUTPUT PRESSURE TRANSDUCER

ETM-634(X)-312(M)

P/N

"T"

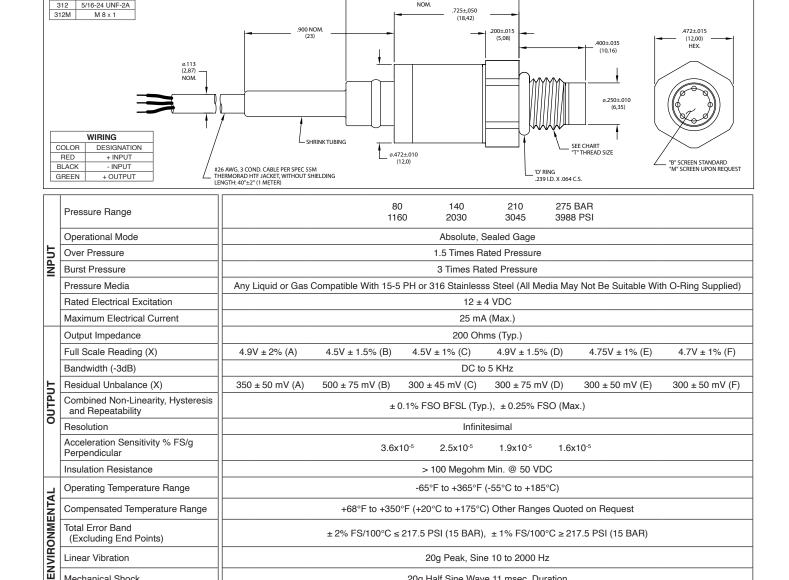
- Smallest High Performance Amplified Transducer Worldwide
- High Temperature Electronics 365°F (185°C)
- Rugged Design Provides Compatibility With Most Corrosive and Conductive Media
- Silicon on Silicon Integrated Sensor VIS®
- High Over Pressure Capability
- Designed and Engineered For Severe **Environmental Conditions**
- Intrinsically Safe Applications Available (i.e. IS-ETM-634(X)-312(M))

The ETM-634(X)-312(M) is one of the newest generation of Kulite standard, smallest miniature amplified transducer currently available. The metal flush diaphragm is used as a force collector. Force is transferred to a solid-state



piezoresistive sensing element via thin intervening film of non-compressible silicone oil. This sensing sub-assembly is protected from mechanical damage by a protective screen, which has been shown to have minimal influence of the frequency response of the sensor.

Incorporation of Kulite proprietary high temperature 365°F (185°C) electronics within the main body allows for operation from an unregulated power supply of 8 to 16VDC.



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

Linear Vibration

**PHYSICAL** 

Mechanical Shock

Mounting Torque

**Electrical Connection** 

Pressure Sensing Principle

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.

20g Peak, Sine 10 to 2000 Hz

20g Half Sine Wave 11 msec. Duration

3 Conductor 26 AWG Unshielded Cable 1 Meter Long

15 Grams (Max.) Excluding Cable

Fully Active Four Arm Wheatstone Bridge Dielectrically Isolated Silicon on Silicon 50 Inch-Pounds (Max.) 6Nm