**EXTREME ENVIRONMENT**

**HIGH-TEMPERATURE ~ CRYSTAL TEMPERATURE SENSORS**

**FMIHTS SERIES**

Extreme Environment Crystal

Temperature Sensors

**SPECIFICATIONS**

- 4 MHz to 10 MHz
- Optimized Support Structure for High Shock and Vibration
- -100ºC to +450ºC
- Hi-Rel Temperature Sensing

**Extreme Environment Temperature Sensor Features**

- Extremely Wide Temperature Range -100ºC to +450ºC
- High-Q Piezoelectric Material
- High-Gain Temperature Sensing (Slope > 40 ppm/ºC)
- Slope Linearity of ±1.5% to +300ºC
- Standard Resistance Welded Enclosures
- Rugged Packaging for Shock & Vibration
- Closed & Open Loop Resonant Applications
- Pre-Aged & Calibrated Test Data
- Resonances to Frequencies to 10 MHz (std)
- Sweep Mode for Passive Resonance Option
- Active Mode (see Oscillator Temperature Sensors)

**Applications**

- Oil & Gas
- Geothermal
- Nuclear Reactors
- Automotive
- Power Electronics
- Power Converters

**Options**

- Oscillator Version
- Calibration Test Data
- 100% Pre-Aging/Screening

**Temperature Sensor Frequency Stability (ppm) at 4.00 MHz**

**PLEASE CONTACT US FOR PART NUMBERS, HOW TO ORDER, ADDITIONAL PRODUCT SPECIFICATIONS & OR WITH YOUR CUSTOM REQUIREMENTS**

**FREQUENCY MANAGEMENT | INTERNATIONAL**

1-800-800-XTAL [9825]

www.fmi-inc.com