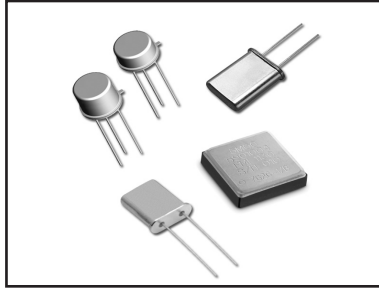


# EXTREME ENVIRONMENT

HIGH-TEMPERATURE ~ CRYSTAL TEMPERATURE SENSORS

## FMIHTS SERIES

### Extreme Environment Crystal Temperature Sensors



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

### SPECIFICATIONS

Issue 1 | 03232012



#### Extreme Environment Temperature Sensor Features

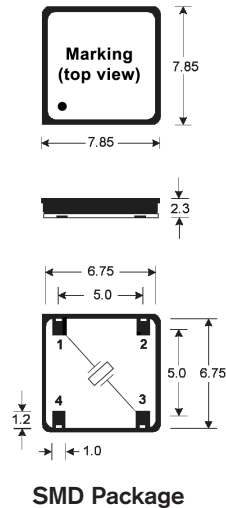
- Extremely Wide Temperature Range -100°C to +450°C
- High-Q Piezoelectric Material
- High-Gain Temperature Sensing (Slope > 40 ppm/°C)
- Slope Linearity of ±1.5% to +300°C
- Standard Resistance Welded Enclosures
- Rugged Packaging for Shock & Vibration
- Closed & Open Loop Resonant Applications
- Pre-Aged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

#### Applications

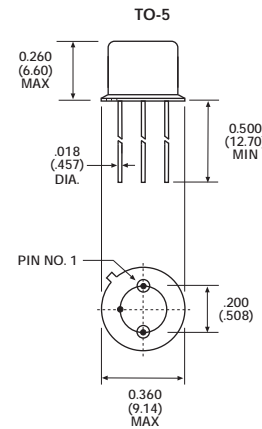
Oil & Gas  
Geothermal  
Nuclear Reactors  
Automotive  
Power Electronics  
Power Converters

#### Options

Oscillator Version  
Calibration Test Data  
100% Pre-Aging  
Screening

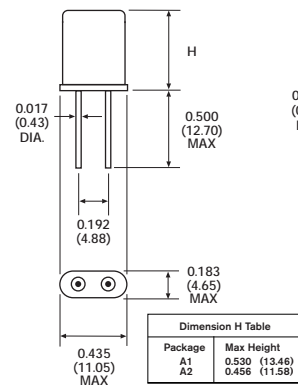


#### Thru-hole Packages

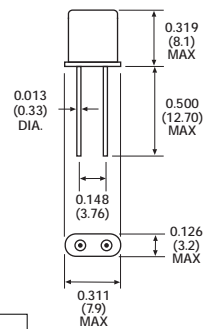


Package Options
LT - Lead Trimming
LF - Lead Forming

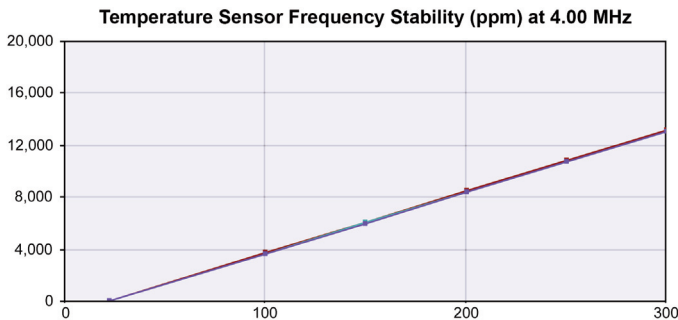
#### HC-49/U



#### UM-1



Dimensions:  $\frac{\text{Inches}}{\text{mm}}$



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