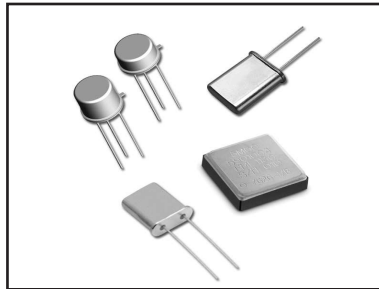


EXTREME ENVIRONMENT

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

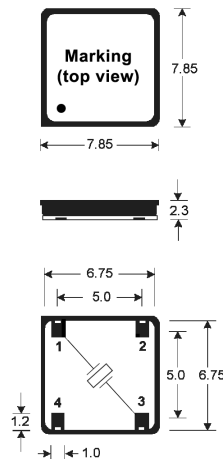
- Extremely Wide Temperature Range -100°C to +450°C
- High-Q Piezoelectric Material
- High-Gain Temperature Sensing (Slope > 40 ppm/°C)
- Slope Linearity of $\pm 1.5\%$ to +300°C
- Standard Resistance Welded Enclosures
- Rugged Packaging for Shock & Vibration
- Closed & Open Loop Resonant Applications
- 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

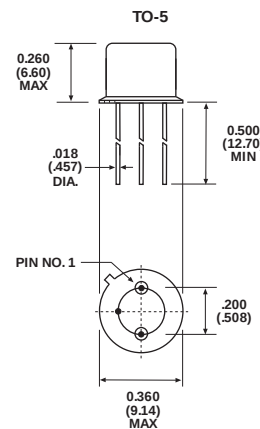
Options

Oscillator Version
Calibration Test Data
100% Pre-Aging
Screening

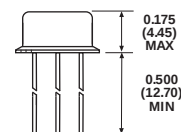


SMD Package

Thru-hole Packages



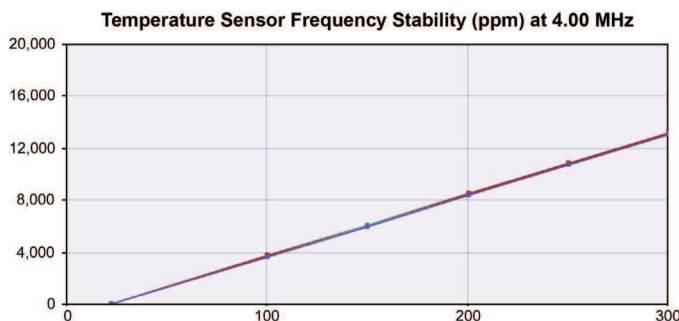
TO-5 LOW PROFILE



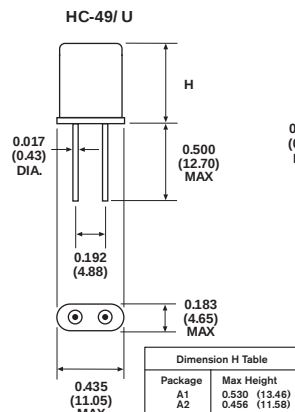
Available with all 8 leads upon request

Package Options

LT - Lead Trimming
LF - Lead Forming



- PPM8
- PPM7
- PPM6
- PPM5
- PPM4
- PPM3
- PPM2
- PPM1



Dimension H Table	
Package	Max Height
A1	0.530 (13.46)
A2	0.456 (11.58)

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

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