

# 900 Series

Actual  




## Extreme Environment High Temperature Sensor Oscillator

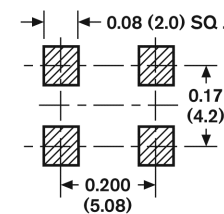
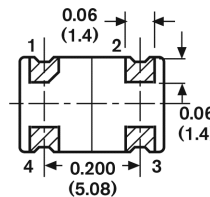
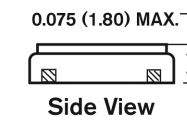
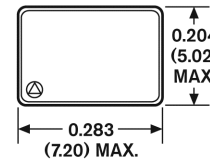
- Wide temperature range sensing performance (Frequency vs. Temperature)
- Exceptional low power allows very low thermal error
- Monotonic linearity over wide temperature range
- Reliable under shock, vibration, temperature cycling ; Proven long operating life

### Temperature Sensor 5x7 mm SMD Crystal OSCILLATOR

ELECTRICAL SPECIFICATIONS	PARAMETER
OUTPUT FREQUENCY	Specified from 13.8 KHz to 40 KHz
SUPPLY VOLTAGE	+2.4V to +5.0V
OPERATING TEMPERATURE RANGE	-55°C to +210°C
FREQUENCY SENSITIVITY vs. TEMPERATURE	+90 to +100 ppm/°C (-40 to +200°C )
OUTPUT LOGIC	CMOS
SUPPLY CURRENT (3.0V & no load condition)	0.23 mA (at 13.8 KHz)
SYMMETRY (Duty Cycle)	45/55% with 10KΩ   15 pF Load
OPERATING LIFE	2000 Hours at +200°C min

### MECHANICAL SPECIFICATIONS

#### CERAMIC SMD



Bottom View

Recommended Land Pattern

#### Package Outline Drawing

Package type: 5x7mm  
Ceramic SMD  
4 Gold Plated Pads  
*Leaded Versions Available*

Pb-free / RoHS Compliant

Dimensions: inches / (mm)

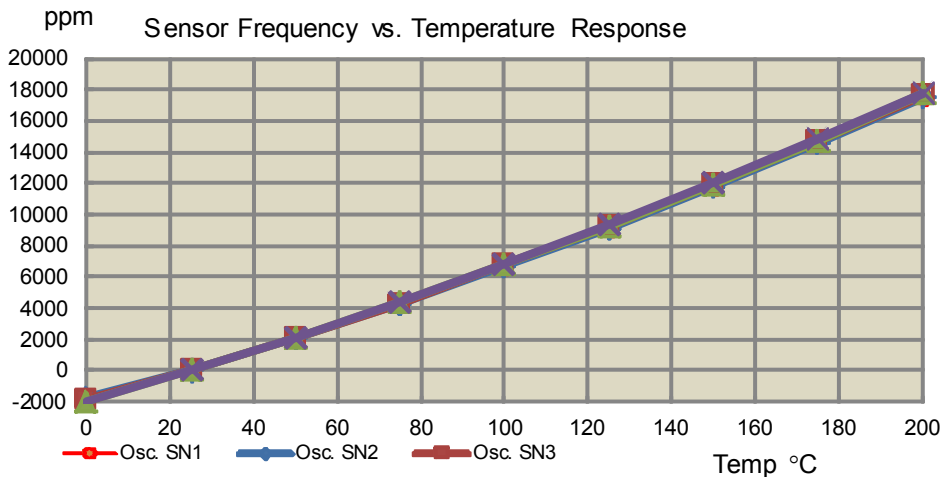
#### PAD CONFIGURATION

Pad 1	Enable/Disable **
Pad 2	Ground (Case)
Pad 3	Output
Pad 4	Supply V (Vcc)

\*\* Disable with logic "0"

#### Marking Example

FREQUENCY  
PART NUMBER  
FMI YYWW  
Ⓐ SN



### FREQUENCY MANAGEMENT INTERNATIONAL

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