



### Features and Benefits

- 10 Hz to 110 MHz
- Voltage control options
- 1.2V to 18.0V
- Ultra low power
- High shock and vibration
- 100°C to +300°C
- Extended operation life

### Typical Applications

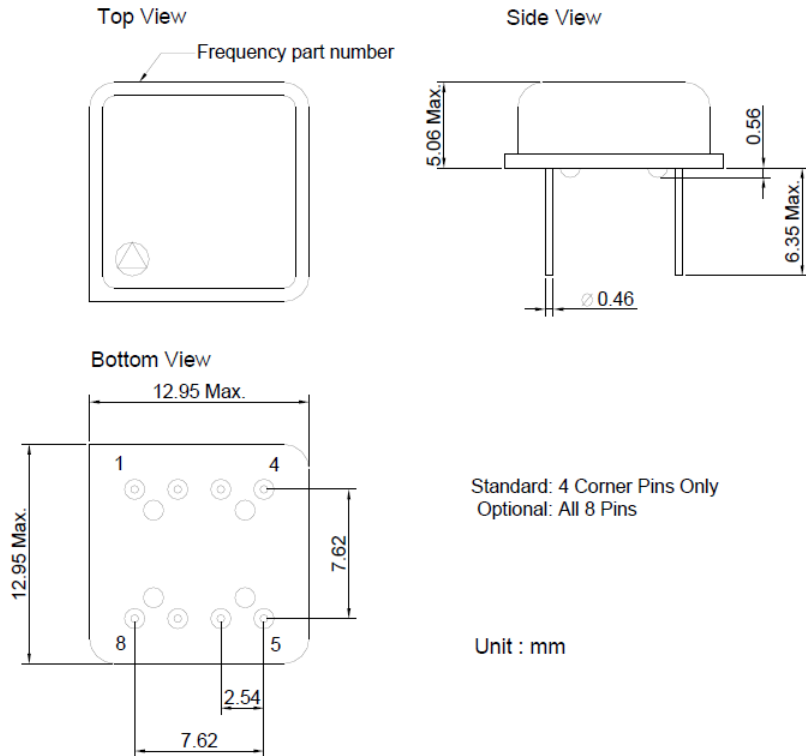
Extreme Temperature such as downhole tools

### Description

Special extreme temperature components, assembly processes, and testing methods used to create a family of oscillator products capable of operating reliably at +300°C.

### Mechanical Drawing & Pin Connections

**Drawing No: MD150055-1**



Standard: 4 Corner Pins Only  
Optional: All 8 Pins

Unit : mm

### Specifications

Parameter	Specification	Note
Frequency Range	10Hz to 110MHz	
Overall Frequency Tolerance	+/-100PPM, +/-250PPM, +/-300PPM	Custom available
Supply Voltage (Vdd)	1.2V, 1.8V, 2.5V, 3.3V(+/-10%), or 5.0V	Option: 12V to 18V
Symmetry (Duty Cycle)	40%/60% min., 45%/55%, Other	
Logic	HCMOS/TTL	Sinewave available
Tri-State Control:	Output "0" Level	Output disable HI-Z
	Output "1" Level or Open	Oscillation
Screened to MIL-PRF-55310	Available	
Operating Temperature	0°C to +300°C Std.	Custom available
Storage Temperature	-55°C to +240°C	Option: to +300°C
Package Options	1/2 Size 8-Pin DIP; Full Size 14-Pin DIP TO-5, SMD	