



Dynamic Engineers Inc.

2550 Gray Falls Dr., Suite#128, Houston, TX, 77077 USA
TEL: 1-281-870-8822 EMAIL: Sales@DynamicEng.com

ETXOI-A-150MHz

Special ETXO-A Series @ 150MHz

Features and Benefits

10Hz to 150MHz

Ultra low power

High shock and vibration

Extended operation life

High Temperature Half-DIP Crystal Oscillator

Designed for +150C operation, not screened for +150C operation

Typical Applications

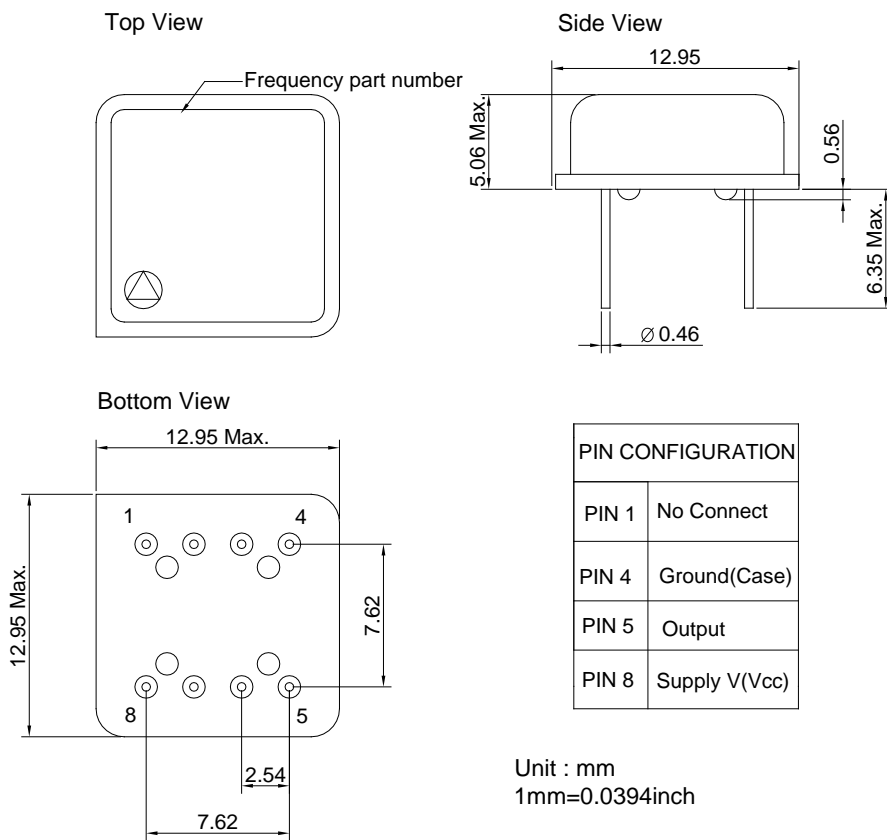
Extreme Temperature such as downhole tools.

Description

Special extreme temperature component, assembly processes, and testing methods used to create a family of oscillator products capable of operating reliably @ +150°C.

Mechanical Drawing & Pin Connections

Drawing No: MD150055-1





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Specifications

| Parameter | Specification | Note |
|-----------------------------|--|------|
| Frequency Range | 10Hz to 150MHz | |
| Overall Frequency Tolerance | +/-100ppm Max. | |
| Supply Voltage(Vdd) | +3.3V(+/-10%) | |
| Symmetry(Duty Cycle) | 40%/60% Min. | |
| Logic | CMOS | |
| Operating Temperature | 0°C to +150°C | |
| Package type | Half-DIP (8 Pin DIP, 4 corner pins only) Through-hole Package with 4 Gold Plated Pins | |

FYJUMJmH/gDfcWgg/g

| |
|---|
| Stabilization Bake: 24 Hours (min @ T ≥ 150°C) |
| Internal & External Visual Inspection |
| Burn-in |
| Leak Test |
| Final Electrical Test (at +25°C & over temperature) |