



T1267 Series TCXO

20.0 to 100.0 MHz

Rev -

GREENRAY INDUSTRIES, INC.

PRECISION QUARTZ TECHNOLOGY

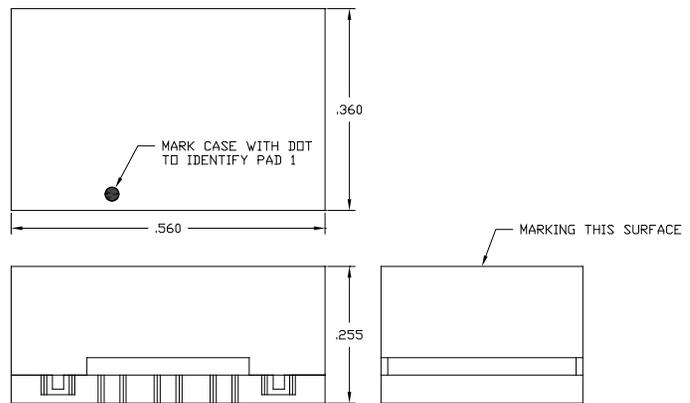
Low Phase Noise

SPECIFICATIONS

| | | | |
|-------------------------|---|------------------|---------------|
| Frequency | 20.0 to 100.0 MHz | | |
| Output | LVPECL | | |
| Load | 50 Ω to V _{cc} -2.0V | | |
| Supply Voltage | +3.3 VDC ± 5% | | |
| Supply Current | ≤ 65mA | | |
| Symmetry | 50% ± 5% | | |
| Rise/Fall Time | ≤1ns (20% to 80%) | | |
| Temp Stability | Temp | Tolerance | Option |
| | -40 to +85°C | ±1.0ppM | T16 |
| | -40 to +85°C | ±2.0ppM | T26 |
| | -55 to +85°C | ±2.0ppM | U26 |
| | -55 to +95°C | ±3.0ppM | V36 |
| Reflow Shift | <1.0ppM typ after 24hr settling time | | |
| Aging | ≤ ±1ppM first year; ≤ 5ppM for 10 years | | |
| Freq vs. Input V | ≤0.3ppM for a 5% change | | |
| Freq Adjust | ±5ppM min via 0 to +3.0VDC EFC | | |
| Phase Noise | Offset | dBc/Hz | |
| (typ at 100MHz) | 10Hz | -75 | |
| | 100Hz | -110 | |
| | 1kHz | -130 | |
| | 10kHz | -145 | |
| | 100kHz | -155 | |
| G-Sensitivity | ≤2.5x10 ⁻⁹ /g (SD Option) | | |
| | ≤7.0x10 ⁻¹⁰ /g (LG Option) | | |
| | ≤4.0x10 ⁻¹⁰ /g (HG Option) | | |

Environmental

- Storage Temp: -55 to +95°C
- Vibration: MIL-STD-202, Meth 201 & 204, 10g's from 10 to 2000Hz
- Shock: MIL-STD-202, Meth 213, Cond C

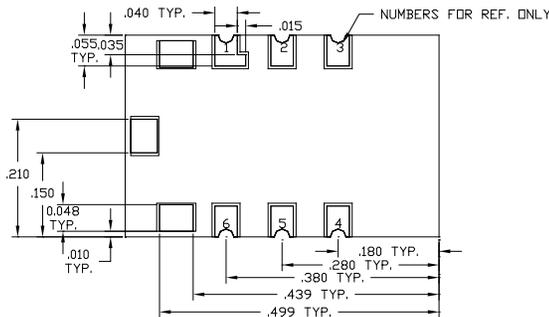


Ordering Example:

T1267-T16-LG-100.0MHz
(Series-Temp-GSense-Freq)

Pad Connections

- 1 - EFC
- 2 - N/C
- 3 - 0 V & Case Gnd
- 4 - Output
- 5 - Output (-)
- 6 - VSupply



To inquire about available custom parameters, please contact us at sales@greenrayindustries.com

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