



T1243 series TCXO

10 to 50.0 MHz

(Rev B)

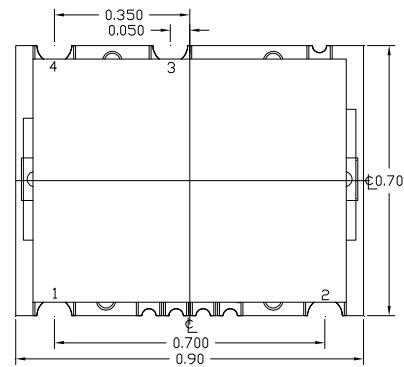
GREENRAY INDUSTRIES, INC.

PRECISION QUARTZ TECHNOLOGY

Ultra-Low Acceleration Sensitivity
Low Phase Noise

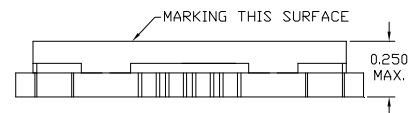
SPECIFICATIONS

| | | |
|------------------------------|--------------------------------------------------------------------------------------|---------------------|
| Frequency | 10.0 to 50.0 MHz | |
| Output | CMOS Squarewave | |
| Symmetry | 50% ± 10% | |
| Load | 15pF | |
| Temp Stability | Temp Range | Tolerance |
| | -40 to +85°C | ±2x10 ⁻⁶ |
| Freq vs. Supply Aging | ±1x10 ⁻⁶ for a 5% change <1ppM per year | |
| Input Voltage | +3.3VDC or +5.0VDC ± 5% | |
| Input Current | 30mA max | |
| Phase Noise | Offset | dBc/Hz |
| (typical 25MHz & +5.0V) | 10 Hz | -100 |
| | 100 Hz | -127 |
| | 1 kHz | -150 |
| | 10 kHz | -160 |
| | 100 kHz | -165 |
| | Floor | -168 |
| G-Sensitivity | ≤7x10 ⁻¹⁰ /g (SD option); ≤7x10 ⁻¹¹ /g (LG option), worst axis | |
| Frequency Adjust | ±7ppM typ via 0 to +3.3VDC, Positive slope | |



Ordering Example:

T1243-3.3-LG-50.0MHz
(Model-InpV-GSense-Freq)



Pad Connections

- 1 - Output
- 2 - N/C
- 3 - 0 V & Case Gnd
- 4 - VSupply

