



T1215 series TCXO

750 kHz to 800 MHz

Rev. E

GREENRAY INDUSTRIES, INC.

PRECISION QUARTZ TECHNOLOGY

SPECIFICATIONS

Hermetic TCXO
Tight Temp Stability

Frequency 750 kHz to 800 MHz
Output CMOS (option C); Clipped Sine (option S); LVPECL (option PE), LVDS (option DS)
 CMOS available 750kHz to 150MHz; Clipped Sine available 10MHz to 50MHz;
 LVPECL and LVDS available 20MHz to 800MHz

Symmetry 50% ± 10%
Temp Stability

| Temp Range | Tolerance | Option |
|----------------|-----------|--------|
| -40°C to +85°C | ±0.5 ppM | T57 |
| -40°C to +85°C | ±1.0 ppM | T16 |
| -55°C to +85°C | ±2.0 ppM | U26 |
| -55°C to +95°C | ±3.0 ppM | V36 |

Aging <1 ppM/yr; <10ppM for 20 years
Freq Adjust ±7ppM typ for 0 to Vcc EFC; positive slope
Supply Voltage +2.7V to +5.0VDC, ± 5%
Supply Current < 80mA
Accel Sensitivity 2.5x10⁻⁹/g standard (SD); ≤7x10⁻¹⁰/g available (option LG)

Environmentals

Vibration – per MIL-STD-202F, Meth 204, Cond A

Shock – per MIL-STD-202F, Meth 213, Cond C

Storage Temp -55 to +95°C

Can be screened to MIL-PRF-55310, Class 3 Product Level B (option B); no screening is option X

Fine Leak - MIL-STD-202, Meth 112, Cond C

Other vibration and shock levels are available upon review by GRI.

Ordering Example:

T1215-T57-PE-3.3-SD-X-300.0MHz
(Model-Temp-Output-InpV-Gsense-Screen-Freq)

Pad Connections

- 1 - EFC
- A - N/C
- 2 - Vref (+2.5VDC)
- B - Tristate
- 3 - 0 V & Case Gnd
- 4 - Output
- C - Comp Output
- 5 - N/C
- D - N/C
- 6 - VSupply

