



T1241 Series TCXO

50.0 to 100.0 MHz

(Rev -)

GREENRAY INDUSTRIES, INC.

PRECISION QUARTZ TECHNOLOGY

SPECIFICATIONS

Low Noise TCXO
Vibration Compensated

Frequency	50.0 to 100.0 MHz
Output	Squarewave, CMOS into 15pF load, $\pm 10\%$
Symmetry	50% $\pm 10\%$
Rise/Fall Time	$\leq 10\text{ns}$
Temp Stability	Temp Range Tolerance -40 to +85°C $\pm 2 \times 10^{-6}$ Ramp rate of up to 2°/minute; shall meet spec within 1 minute of turn-on.
Freq vs. Supply	$\pm 3 \times 10^{-7}$ for a 5% change
Aging	$\leq 1.0\text{ppM/year}$
Supply Voltage	+3.3VDC or +5.0VDC $\pm 5\%$
Input Current	30mA max
Phase Noise (typ 5V static)	Offset dBc/Hz 10 Hz -70 100 Hz -100 1 kHz -135 10 kHz -155 100kHz -160 Floor -165
Accel Sensitivity	$\leq 7 \times 10^{-10}/\text{g}$ in the worst axis (SD option) $\leq 7 \times 10^{-11}/\text{g}$ in the worst axis (LG option)
Frequency Adjust	± 5.0 ppM typical, positive slope, 0V to Vsupply EFC
Environmental	Shock - per MIL-STD-202, Meth 213, Cond K Vibration - per MIL-STD-202, Meth 214, Cond I-F Storage Temp - -55 to +95°C

Ordering Example:
T1241- 3.3-LG-100.0MHz
(Model - InpV - G-Sense - Freq)

Pad Connections

- 1 - Output
- 2 - N/C
- 3 - Vsupply
- 4 - EFC
- 6 - 0 V & Case Gnd

