



T1241 Series TCXO

50.0 to 100.0 MHz

(Rev -)

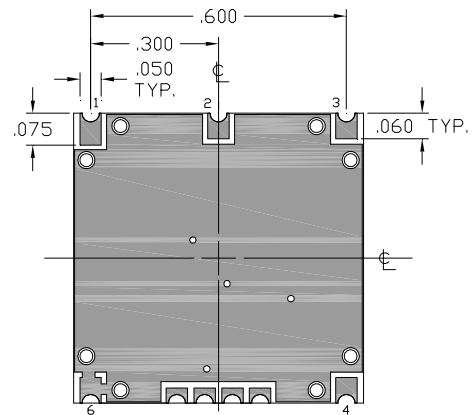
GREENRAY INDUSTRIES, INC.

PRECISION QUARTZ TECHNOLOGY

Low Noise TCXO
Vibration Compensated

SPECIFICATIONS

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	Offset	dBc/Hz
(typ 5V static)	10 Hz	-70
	100 Hz	-100
	1 kHz	-135
	10 kHz	-155
	100kHz	-160
	Floor	-165
Accel Sensitivity	$\leq 7 \times 10^{-10}/g$ in the worst axis (SD option)	
	$\leq 7 \times 10^{-11}/g$ 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

