



T1307 Series TCXO

10 TO 50MHz

(Rev B)

GREENRAY INDUSTRIES, INC.

PRECISION QUARTZ TECHNOLOGY

Ultra-Low Acceleration Sensitivity
Miniature SMT Package

SPECIFICATIONS

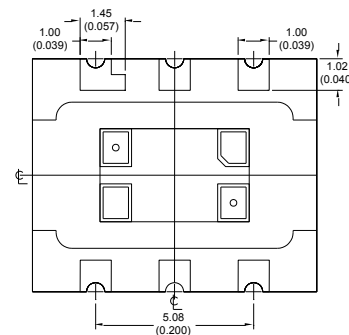
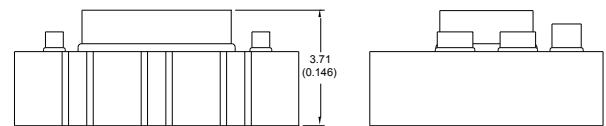
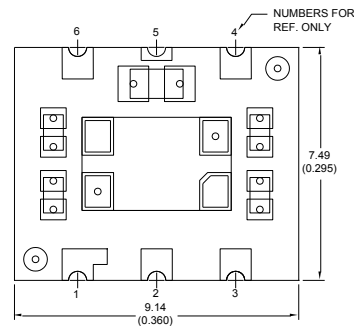
Frequency Output	10.0 to 50.0 MHz	
	CMOS Squarewave (Option C) or Clipped Sinewave (Option S)	
Symmetry	50% ± 10% (CMOS)	
Load	15pF/10kohm	
Temp Stability	Temp Range	Tolerance
	-40 to +85°C	±1x10 ⁻⁶
Freq vs. Supply	±1x10 ⁻⁷ for a 5% change	
Freq vs. Load	±1x10 ⁻⁷ for a 10% change	
Aging	≤±0.5ppM/year after 14 days operation	
Input Voltage	+5.0VDC or +3.3VDC ± 5%	
Input Current	6mA max	
Warm Up Time	to within ±1ppM in 10msec	
Phase Noise	10 Hz	-95 dBc/Hz
(typical, 10MHz)	100 Hz	-123 dBc/Hz
	1 kHz	-145 dBc/Hz
	10 kHz	-155 dBc/Hz
	100 kHz	-157 dBc/Hz
G-Sensitivity	≤7x10 ⁻¹¹ /g, in the worst axis	
Frequency Adjust	±7.0 ppm typ, positive slope 0 to Vcc EFC, 50k ohm input Z	

Ordering Example:

T1307-C-3.3-10.0MHz
(Model-Output-Inp V-Freq)

Pad Connections

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



ALL DIMENSIONS ARE IN mm(in)