



T1307 Series TCXO

10 to 50 MHz

(Rev A)

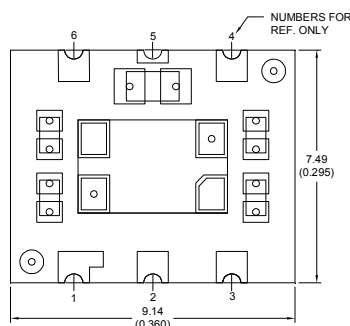
GREENRAY INDUSTRIES, INC.

PRECISION QUARTZ TECHNOLOGY

Ultra-Low Acceleration Sensitivity
Miniature SMT Package

SPECIFICATIONS

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

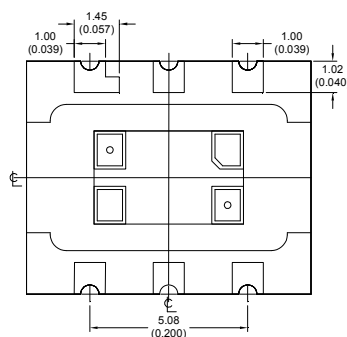
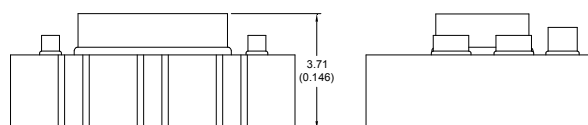


Ordering Example:

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)

To inquire about available custom parameters, please contact us at sales@greenrayindustries.com.

840 West Church Rd., Mechanicsburg, PA 17055
Tel: 717-766-0223 Fax: 717-790-9509
www.greenrayindustries.com email: sales@greenrayindustries.com