



T1170/1171 Series TCXO

10MHz – 300MHz

(Rev B)

GREENRAY INDUSTRIES, INC.

PRECISION QUARTZ TECHNOLOGY

High Frequency TCXO
Tight Stability

SPECIFICATIONS

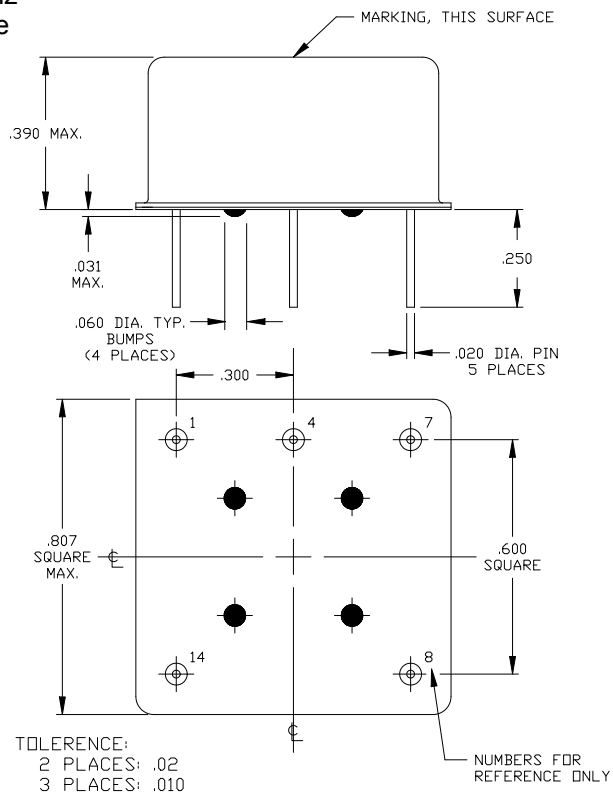
Frequency	10.0 MHz to 300.0 MHz		
Output	T1170 - Squarewave, AC MOS (available at 10 to 125 MHz only) T1171 – Sinewave, 0 dBm min into 50 ohms		
Harmonics	-20 dBc (Sinewave version)		
Symmetry	50% ± 10% (Squarewave version)		
Temp Stability	Temp Range	Tolerance	Option
	-10 to +60°C	±3x10 ⁻⁷	G37
	-20 to +70°C	±4x10 ⁻⁷	N47
	-40 to +85°C	±5x10 ⁻⁷	T57
	-40 to +85°C	±1x10 ⁻⁶	T16
Freq vs. Supply	±1x10 ⁻⁷ for a 5% change		
Aging	±2x10 ⁻⁹ per day after 30 days (10 MHz typ)		
Supply V	available in +5 or +3.3 VDC		
Phase Noise	10 Hz	-95 dBc/Hz	
(typ @ 10MHz)	100 Hz	-125 dBc/Hz	
	1 kHz	-140 dBc/Hz	
	10 kHz	-150 dBc/Hz	
	100 kHz	-155 dBc/Hz	
Frequency Adjust	±5.0 ppm typ, positive slope 0 to V _{supply} EFC		

Ordering Example:

T1170-N27-3.3-20MHz
(Model-Stability-Input V-Freq)

Pin Connections

- 1 - Supply V
- 4 - Output
- 7 - 0V/Case Gnd
- 8 - EFC
- 14 - N/C (Pin used by Factory)



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

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