



YH1300 Series OCXO

10MHz – 50MHz

(Rev D)

GREENRAY INDUSTRIES, INC.

PRECISION QUARTZ TECHNOLOGY

Miniature Package
Low Phase Noise vs. Vibration

SPECIFICATIONS

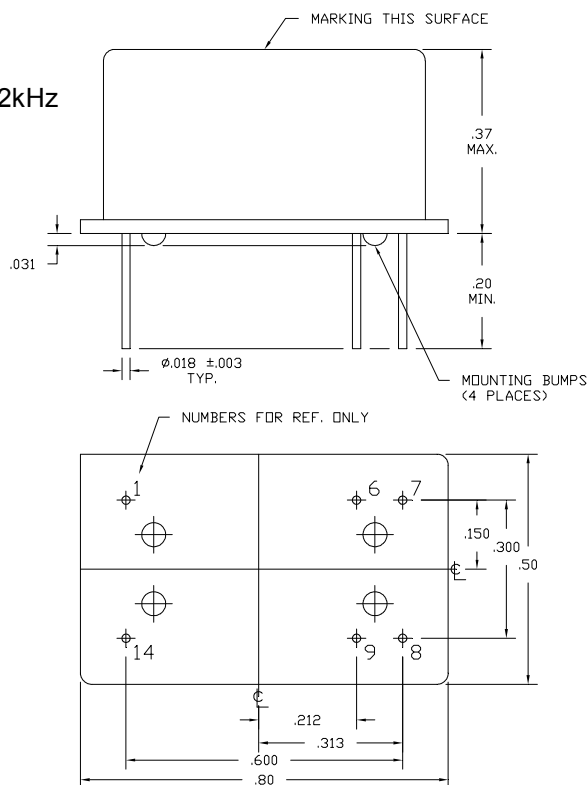
Frequency	10.0 MHz to 50.0 MHz
Output	CMOS Squarewave; 15pF load (Option C) Sinewave; 0dBm min into 50ohms (Option S)
Harmonics	-20 dBc (Sinewave version)
Symmetry	50% $\pm$ 10% (Squarewave version)
Temp Stability	Temp Range Tolerance Option
	-10 to +60°C $\pm 2 \times 10^{-7}$ G27
	-20 to +70°C $\pm 3 \times 10^{-7}$ N37
	-40 to +70°C $\pm 4 \times 10^{-7}$ N47
	-40 to +85°C $\pm 5 \times 10^{-7}$ T57
Freq vs. Supply	$\pm 3 \times 10^{-9}$ for a 5% change
Aging	<0.5ppM/yr
Input Voltage	available in +5 or +3.3 VDC (at turn-on the voltage must rise to >3V within 15msec)
Input Power	Warmup - <3W for 5 minutes Idle – <1.0W @ +25°C
Phase Noise	10 Hz -100 dBc/Hz
(typ @ 10MHz, 5V)	100 Hz -130 dBc/Hz
	1 kHz -155 dBc/Hz
	10 kHz -158 dBc/Hz
	100 kHz -158 dBc/Hz
Accel Sensitivity	<7x10 ⁻¹¹ /g, worst axis, DC to 2kHz
Frequency Adjust	± 5.0 ppm typ, positive slope 0 to Vsupply EFC

Ordering Example:

YH1300-N37-S-5.0-10.0MHz
(Model-Stability-Output-InputV-Frequency)

Pin Connections

- 1 - EFC
- 7 - 0V/Gnd
- 8 - Output
- 14 - Supply V



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

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