



YH1310 Series OCXO

10 MHz – 30 MHz

(Rev C)

GREENRAY INDUSTRIES, INC.

PRECISION QUARTZ TECHNOLOGY

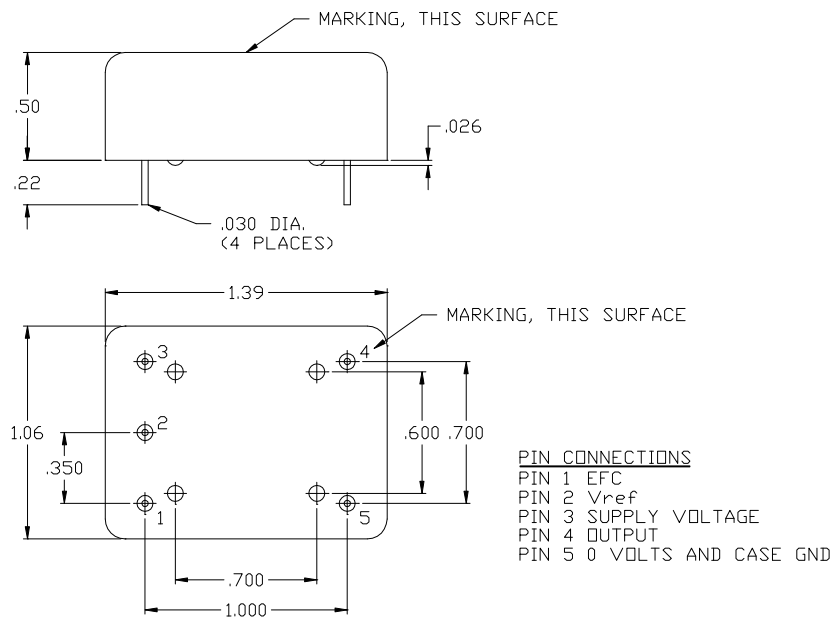
Low Phase Noise
HCMOS or Sinewave Output
Ideal for Base Station or Test Equipment Apps

SPECIFICATIONS

Frequency	10.0 MHz to 30.0 MHz				
Output	YH1310 - Sinewave, +5dBm min into 50 ohms YH1311 - Squarewave, HCMOS				
Harmonics	-20dBc (Sinewave)				
Symmetry	50% ±10%				
Temp Stability	Temp Range	SC Tolerance	Model	AT Tolerance	Model
	0 to +50°C	± 2x10 ⁻⁸	B28	± 1x10 ⁻⁷	B17
	-20 to +70°C	± 3x10 ⁻⁸	N38	± 2x10 ⁻⁷	N27
	-40 to +85°C	± 5x10 ⁻⁸	T58	± 5x10 ⁻⁷	T57
Freq vs. Supply	±5x10 ⁻⁹ for a 5% change				
Aging	±1x10 ⁻⁷ per year (10MHz SC)				
Input Voltage	+5V or +12 VDC ± 5%				
Input Power	Turn-on - ≤ 6W for 5 minutes Idle - ≤ 2W @ +25°C				
Warm-up Time	within ± 5x10 ⁻⁸ in 5 minutes, ref to 60 minute frequency @ +25°C				
Phase Noise	10MHz SC	10MHz AT			
(Sine Typ)	10 Hz	-125 dBc/Hz	-105 dBc/Hz		
	100 Hz	-140 dBc/Hz	-135 dBc/Hz		
	1 kHz	-150 dBc/Hz	-150 dBc/Hz		
	10 kHz	-155 dBc/Hz	-155 dBc/Hz		
	100 kHz	-158 dBc/Hz	-155 dBc/Hz		
Frequency Adjust	±1.0 ppm typ, positive slope +0.5 to +4.5V EFC				

Ordering Example:

YH1310 - N38 - 5.0 - 10.0MHz
(Model# - Stability - Input V - Frequency)



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

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