



GREENRAY INDUSTRIES, INC.

YH1310 Series **OCXO**  
10.0 MHz – 30.0 MHz

PRECISION QUARTZ TECHNOLOGY

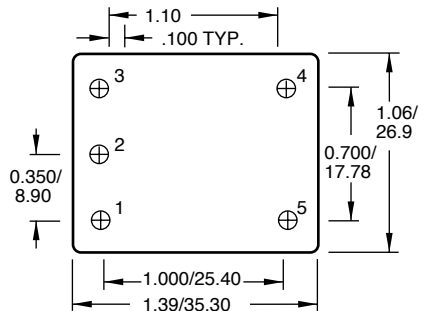
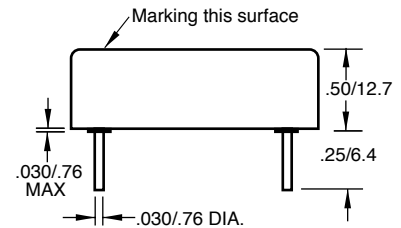
Euro Package CO-8 OCXO  
SC-cut Crystal  
Sine Wave Output  
Superior Stability

**SPECIFICATIONS**

<b>Frequency</b>	10.0 MHz to 30.0 MHz		
<b>Output</b>	±5 dBm min.		
<b>Input Voltage</b>	+12 Vdc ± 5%		
<b>Input Power; Warm-up @25°C</b>	6.5 W		
<b>Steady State @25°C</b>	1.4 W		
	<b>Temperature Range</b>	<b>Tolerance</b>	<b>Model</b>
<b>Operating Temperature/Stability</b>	0 to +50°C	± 2 x 10 <sup>-8</sup>	B28
	-20 to +70°C	± 3 x 10 <sup>-8</sup>	N38
<b>Warm-up Time</b>	± 1 x 10 <sup>-8</sup> in 5 min. ref. to 60 min. Frequency		
<b>Frequency Control Pin 1</b>	> ±1 ppm Typical, 0.5 to 4.5 V		
<b>Freq. vs. Input Voltage ±5%</b>	± 5.0 x 10 <sup>-9</sup>		
<b>Aging</b>	± 1 x 10 <sup>-9</sup> per day after 30 days		
<b>Phase Noise</b>	<b>Offset Frequency (Hz)</b>	<b>dBc/Hz</b>	
(Typical @ 10 MHz)	10	-125	
	100	-148	
	1K	-150	
	10K	-150	

<b>Model</b>	<b>Input Voltage</b>	<b>Output</b>	<b>Temperature Stability</b>	<b>Options</b>
YH1310	+12.0 Vdc	Sine Wave	B28	N38

Ordering Example: YH1310 - B - 28 - 10.0 MHz  
(Model# - Stability - Frequency)



**PIN CONNECTIONS**

- 1 – Frequency Control
- 2 – Reference Voltage
- 3 – Input Voltage
- 4 – Output
- 5 – 0V, Case GND

Dimensions: Inches (mm)

Pin Numbers for REF only  
Tolerance: Inch/mm ± .04/1.0, ± .015/38

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To inquire about available custom parameters please contact us at [sales@greenrayindustries.com](mailto:sales@greenrayindustries.com).