



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

Frequency	10.0 MHz to 30.0 MHz
Output	±5 dBm min.
Input Voltage	+12 Vdc ± 5%
Input Power; Warm-up @25°C	6.5 W
Steady State @25°C	1.4 W
	Temperature Range Tolerance Model
Operating	0 to +50°C ± 2 x 10 ⁻⁸ B28
Temperature/Stability	-20 to +70°C ± 3 x 10 ⁻⁸ N38
Warm-up Time	± 1 x 10 ⁻⁸ in 5 min. ref. to 60 min. Frequency
Frequency Control Pin 1	> ±0.75 ppm Typical, 0.5 to 4.5 V
Freq. vs. Input Voltage ±5%	± 5.0 x 10 ⁻⁹
Aging	± 1 x 10 ⁻⁹ per day after 30 days
Phase Noise	Offset Frequency (Hz) dBc/Hz
(Typical @ 10 MHz)	10 -115
	100 -135
	1K -140
	10K -145

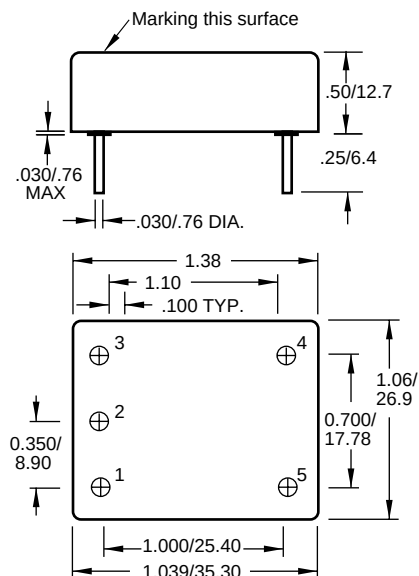
Model	Input Voltage	Output	Temperature	Stability Options
YH1310	+12.0 Vdc	Sine Wave	B28	N38

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

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