GREENRAY INDUSTRIES, INC.

YH1350 Series **OCXO**
5.0 MHz – 30.0 MHz

PRECISION QUARTZ TECHNOLOGY

HCMOS or Sine Wave Output
SC-cut Crystal
5 or 12V Supply

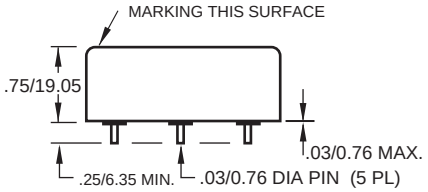
PRELIMINARY SPECIFICATIONS

Frequency	5.0 MHz to 30.0 MHz		
Output	HCMOS or Sine Wave		
Logic Input Voltage	+5 Vdc ± 5% for Logic, N/C for Sine		
Oven Input Voltage	+12 Vdc ± 5%		
Input Power; Warm-up @25°C	< 4.0 W		
Steady State @25°C	< 1.7 W		
	Temperature Range	**Tolerance**	**Model**
Operating	0 to +50°C	± 2 x 10^{-8}	B28
Temperature/Stability	-30 to +70°C	± 3 x 10^{-8}	D38

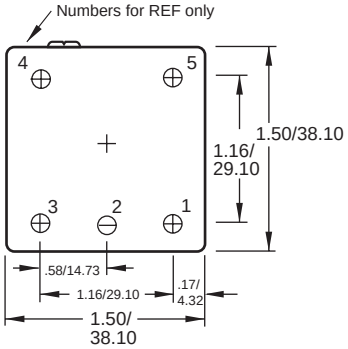
Frequency Control	> ± 0.5 ppm, 0.5 to 4.5V, Positive Slope		
Freq. vs. Input Voltage ±5%	± 5.0 x 10^{-9}		
Aging	±5.0 x 10^{-10} per day after 30 days		
Phase Noise	**Offset Frequency (Hz)**	**dBc/Hz**	
	Model #:	YH1350	YH1351
(Typical @ 10 MHz	10	-110	-125
	100	-135	-145
	1K	-145	-160
	10K	-155	-165
	100K	-155	-165

Model	**Input Voltage**	**Output**	**Temp. Stability Options**
YH1350	+12Vdc,+5Vdc	HCMOS	B28, D38
YH1351	+12Vdc	Sine Wave	B28, D38

Ordering Example: YH1350 - B - 28 - 10.0 MHz
(Model# - Stability - Frequency)



PIN CONNECTIONS
1 – Output
2 – Frequency Control
3 – 0V, Case GND
4 – Input Voltage
5 – +5 V for Logic, N/C for Sine



Dimensions: Inches (mm)

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

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Revision B

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