



PRECISION QUARTZ TECHNOLOGY

PRELIMINARY SPECIFICATIONS

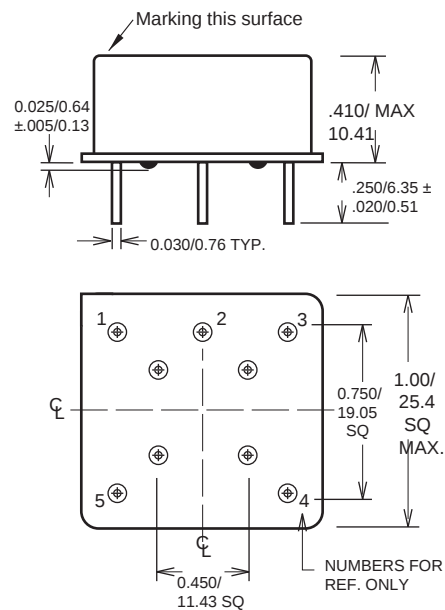
Frequency	10.0 MHz to 30.0 MHz		
Output	HCMOS or Sine Wave		
Input Voltage	+5 Vdc $\pm$ 5% or +12 Vdc $\pm$ 5%		
Input Power; Warm-up@25°C	< 2.5 W		
Steady State @25°C	< 1.0 W		
	Temperature Range	Tolerance	Model
Operating	0 to +50°C	$\pm 1 \times 10^{-7}$	B17
Temperature/Stability	-10 to +60°C	$\pm 3 \times 10^{-7}$	D37
	-20 to +70°C	$\pm 5 \times 10^{-7}$	F57
Frequency Control Pin 1	> ± 5 ppm, 0.5 to 4.5 V Positive Slope		
Freq. vs. Input Voltage $\pm 5\%$	$\pm 5.0 \times 10^{-9}$		
Aging	± 1.0 ppm 1 st year		
Phase Noise	Offset Frequency (Hz)	dBc/Hz	
(Typical @ 10 MHz)	10	-100	
	100	-115	
	1K	-135	
	10K	-145	

Model	Input Voltage	Output	Temperature	Stability	Options
YH1340	+5.0 Vdc	HCMOS	B17	D37	F57
YH1341	+12.0 Vdc	Sine Wave	B17	D37	F57
YH1342	+5.0 Vdc	Sine Wave	B17	D37	F57
YH1343	+12.0 Vdc	HCMOS	B17	D37	F57

Ordering Example: YH1340 - B - 17 - 10.0 MHz
(Model# - Stability - Frequency)

PIN CONNECTIONS

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



Dimensions: Inches (mm)

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