



YH1460/1461 Series OCXO

10 MHz – 100 MHz

(Rev C)

GREENRAY INDUSTRIES, INC.

PRECISION QUARTZ TECHNOLOGY

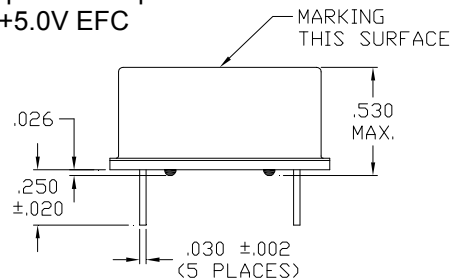
Miniature Package
Excellent Stability, Stratum 3E Compliant

SPECIFICATIONS

Frequency	10.0 MHz to 100.0 MHz		
Output	YH1460 - Sinewave, +7dBm \pm 2dBm into 50 ohms YH1461 - Squarewave, CMOS		
Harmonics	-20dBc (Sinewave version)		
Temp Stability	Temp Range	Tolerance	Option
	0 to +50°C	$\pm 5 \times 10^{-9}$	B59
	-10 to +60°C	$\pm 8 \times 10^{-9}$	G89
	-20 to +70°C	$\pm 1 \times 10^{-8}$	N18
	-40 to +85°C	$\pm 2 \times 10^{-8}$	T28
Freq vs. Supply	$\pm 1 \times 10^{-9}$ for a 5% change		
Aging	$\pm 5 \times 10^{-10}$ per day after 30 days (10 MHz typ)		
Input Voltage	available in +15, +12, +5, & +3.3VDC		
Input Power	Warmup - <5W for 5 minutes Idle – 2.0W max @ +25°C		
Phase Noise	10 Hz	-125 dBc/Hz	
(typ @ 10 MHz)	100 Hz	-145 dBc/Hz	
	1 kHz	-155 dBc/Hz	
	10 kHz	-160 dBc/Hz	
	100 kHz	-160 dBc/Hz	
Frequency Adjust	± 2.0 ppm typ, positive slope 0 to +3.3V or +5.0V EFC		

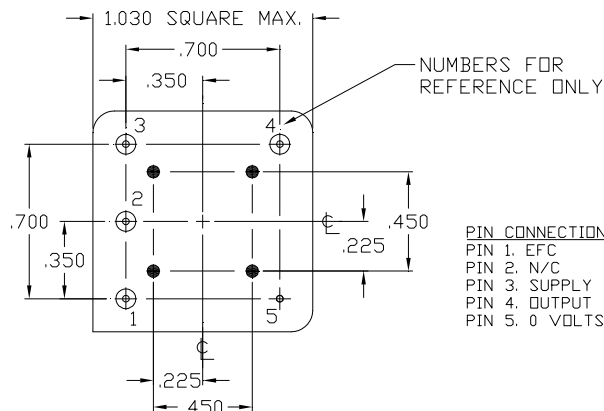
Ordering Example:

YH1460-N18-5
(Model-Stability-Input V)



Pin Connections

- 1 - EFC
- 2 - N/C
- 3 - Supply V
- 4 - Output
- 5 - 0V / Gnd



PIN CONNECTIONS:
PIN 1. EFC
PIN 2. N/C
PIN 3. SUPPLY VOLTAGE
PIN 4. OUTPUT
PIN 5. 0 VOLTS AND CASE GND

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

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