



YH1485 Series OCXO
10 to 100MHz
 (Rev D)

GREENRAY INDUSTRIES, INC.

PRECISION QUARTZ TECHNOLOGY

Miniature Package
 Low Phase Noise

SPECIFICATIONS

Frequency	10 to 100MHz		
Output	Sinewave, +10dBm \pm 2dBm into 50 Ω		
Harmonics	-30dBc		
Spurious	-80dBc		
Initial Accuracy	within \pm 0.25ppM @ +25°C and +2.5VDC EFC		
Temp Stability	Temp Range	Tolerance	Option
	-20 to +70°C	\pm 5x10 ⁻⁸	N58
	-20 to +70°C	\pm 1x10 ⁻⁷	N17
	-40 to +85°C	\pm 1x10 ⁻⁷	T17
	-40 to +85°C	\pm 3x10 ⁻⁷	T37
Freq vs. Supply	\pm 5x10 ⁻⁹ for a 5% change		
Freq vs. Load	\pm 5x10 ⁻⁹ for a 10% change		
Aging	<1x10 ⁻⁷ /year, 0.5ppM for 10yrs (10MHz); <5x10 ⁻⁷ /year (100MHz)		
Input Voltage	+15.0 or +12.0VDC		
Input Power	Warmup - <5W for 5 minutes Idle – 2W typ @ +25°C		
Warm-up Time	within 1x10 ⁻⁷ in 5 minutes		
Frequency Adjust	\pm 0.75 ppM typ, positive slope, 0 to +5V, center @ +2.5VDC		
Phase Noise	Offset	dBc/Hz (10M)	
(typical @ +25°C, Static conditions)	10 Hz	-130	
	100 Hz	-155	
	1 kHz	-165	
	10 kHz	-173	
	100 kHz	-176	
	1 MHz	-180	
Acceleration Sense	<1x10 ⁻⁹ /g worst axis (SD), <5x10 ⁻¹⁰ /g (LG)		
	Shock – per MIL-STD-202, Meth 213, Cond C		
	Vibration – per MIL-STD-202, Meth 204, Cond A and per MIL-STD-810, Meth 514, Proc 1		

*Package Outline Option See Page 2

Ordering Example: Select options to create a part description, Greenray will assign a GRI part number at time of order.

YH1485-T17-12.0-LG-LP-10.0MHz
 (Series-Stability-InpV-GSense-Package-Freq)

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

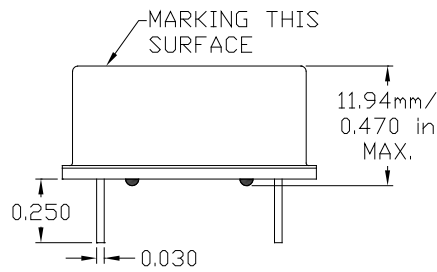


YH1485 Series OCXO

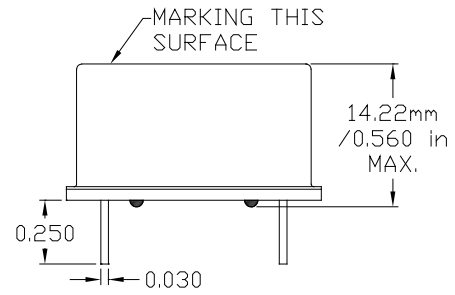
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“LP” Outline

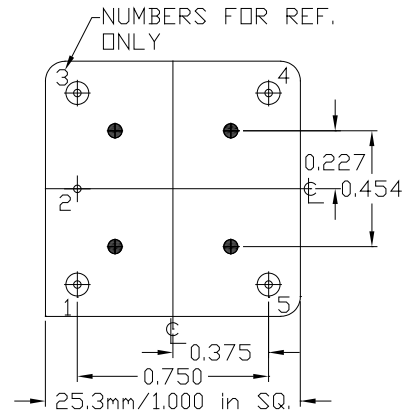
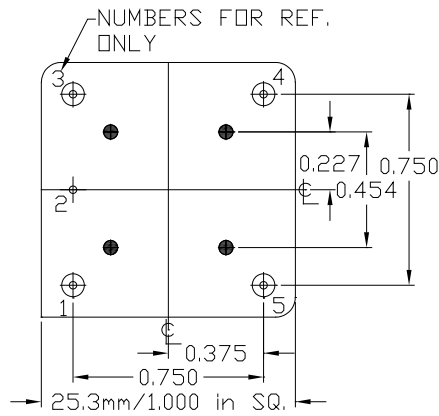


“SD” Outline

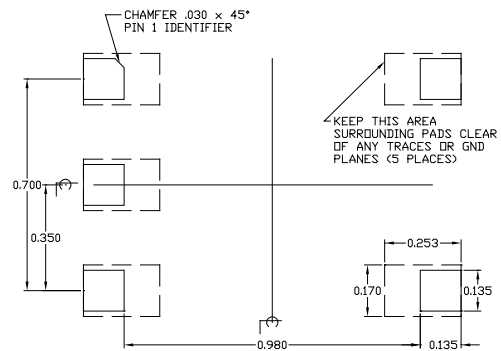
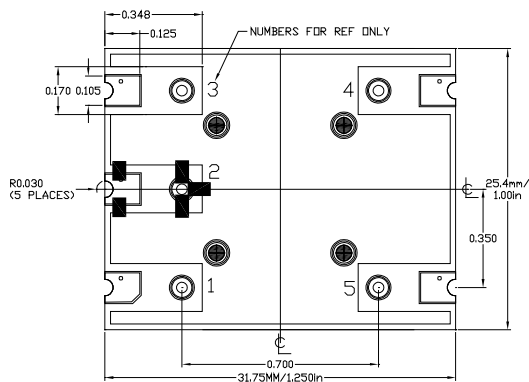
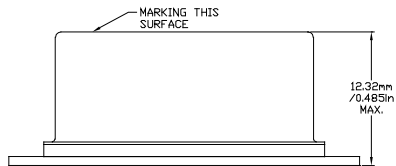


Pin Connections

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



“SM” Outline



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