



# YH1410 Series OCXO

10MHz – 40MHz  
(Rev B)

GREENRAY INDUSTRIES, INC

PRECISION QUARTZ TECHNOLOGY

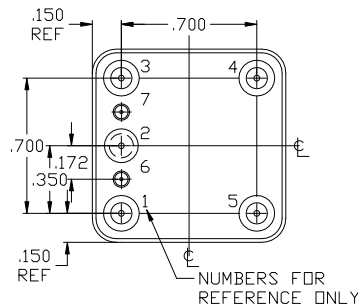
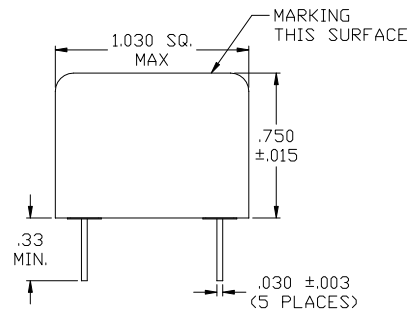
Miniature Package  
Low Phase Noise

SPECIFICATIONS

<b>Frequency</b>	10.0 MHz to 40.0 MHz
<b>Output</b>	Sinewave, +10dBm ± 2dB into 50 ohms
<b>Harmonics</b>	-20 dBc
<b>Spurious</b>	-80 dBc
<b>Temp Stability</b>	±50 ppB @ -40 to +70°C
<b>Freq vs Input V</b>	±5 ppB for a 5% change
<b>Freq vs Load</b>	±5 ppB for a 5% change
<b>Aging</b>	±1x10 <sup>-9</sup> per day, ±1x10 <sup>-7</sup> /yr (@ 10 MHz)
<b>Input V</b>	+12 VDC
<b>Input P</b>	Warmup - <5 W Idle – 2.0 W max @ +25°C
<b>Warmup</b>	5 min to within 10 ppB of 30 min reading
<b>Phase Noise</b>	10 Hz -120 dBc/Hz
(typ @ 10 MHz)	100 Hz -145 dBc/Hz
	1 kHz -160 dBc/Hz
	10 kHz -165 dBc/Hz
<b>Frequency Adjust</b>	±1.0 ppm typ, positive slope
	0.5 to +5.0V EFC
<b>G-Sensitivity</b>	1x10 <sup>-9</sup> /g

**Pin Connections**

- 1 - Output
- 2 - 0V/Gnd
- 3 - EFC
- 4 - Ref V or N/C
- 5 - Supply V
- 6 & 7 - Cut off at factory



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

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