



# T1243 series TCXO

10 to 50.0 MHz

(Rev B)

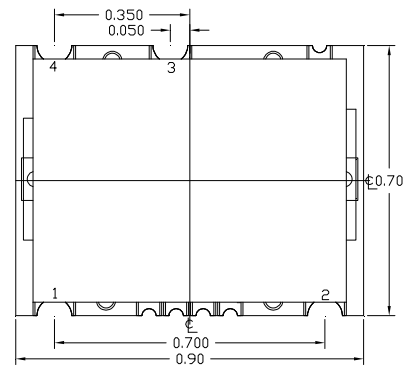
GREENRAY INDUSTRIES, INC.

PRECISION QUARTZ TECHNOLOGY

Ultra-Low Acceleration Sensitivity  
Low Phase Noise

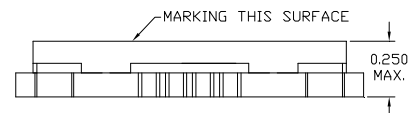
## SPECIFICATIONS

<b>Frequency</b>	10.0 to 50.0 MHz	
<b>Output</b>	CMOS Squarewave	
<b>Symmetry</b>	50% ± 10%	
<b>Load</b>	15pF	
<b>Temp Stability</b>	<b>Temp Range</b>	<b>Tolerance</b>
	-40 to +85°C	±2x10 <sup>-6</sup>
<b>Freq vs. Supply Aging</b>	±1x10 <sup>-6</sup> for a 5% change <1ppM per year	
<b>Input Voltage</b>	+3.3VDC or +5.0VDC ± 5%	
<b>Input Current</b>	30mA max	
<b>Phase Noise</b>	<b>Offset</b>	<b>dBc/Hz</b>
(typical 25MHz & +5.0V)	10 Hz	-100
	100 Hz	-127
	1 kHz	-150
	10 kHz	-160
	100 kHz	-165
	Floor	-168
<b>G-Sensitivity</b>	≤7x10 <sup>-10</sup> /g (SD option); ≤7x10 <sup>-11</sup> /g (LG option), worst axis	
<b>Frequency Adjust</b>	±7ppM typ via 0 to +3.3VDC, Positive slope	



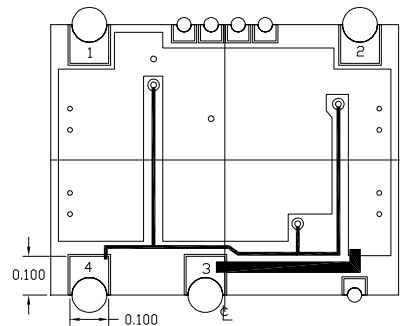
Ordering Example:

T1243-3.3-LG-50.0MHz  
(Model-InpV-GSense-Freq)



### Pad Connections

- 1 - Output
- 2 - N/C
- 3 - 0 V & Case Gnd
- 4 - VSupply



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