



# ZT600/601 Series TCXO

10MHz – 300MHz  
(Rev E)

GREENRAY INDUSTRIES, INC.

PRECISION QUARTZ TECHNOLOGY

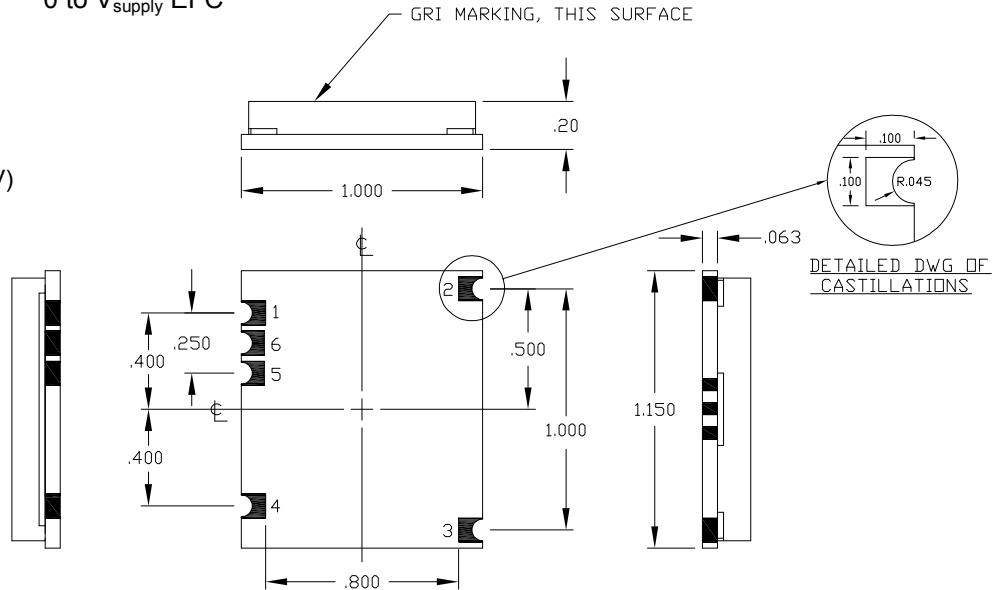
## SPECIFICATIONS

SMT TCXO  
Tight Temp Stability

<b>Frequency</b>	10.0 MHz to 300.0 MHz		
<b>Output</b>	ZT600 - Squarewave, ACMOS (available at 10 to 125 MHz only) ZT601 - Sinewave, 0dBm min into 50ohms		
<b>Harmonics</b>	-20 dBc (Sinewave version)		
<b>Symmetry</b>	50% ± 10% (Squarewave version)		
<b>Temp Stability</b>	<b>Temp Range</b>	<b>Tolerance</b>	<b>Option</b>
	-10 to +60°C	±2x10 <sup>-7</sup>	G27
	-20 to +70°C	±3x10 <sup>-7</sup>	N37
	-40 to +85°C	±5x10 <sup>-7</sup>	T57
	-40 to +85°C	±1x10 <sup>-6</sup>	T16
<b>Freq vs. Supply</b>	±1x10 <sup>-7</sup> per % change		
<b>Aging</b>	<1ppM/yr		
<b>Input V</b>	available in +5 or +3.3 VDC		
<b>Phase Noise</b>	10 Hz	-95 dBc/Hz	
(typ @ 10MHz)	100 Hz	-125 dBc/Hz	
	1 kHz	-140 dBc/Hz	
	10 kHz	-150 dBc/Hz	
	100 kHz	-155 dBc/Hz	
<b>Frequency Adjust</b>	±5.0 ppM typ, positive slope 0 to V <sub>supply</sub> EFC		

Ordering Example:

ZT601-T57-3.3  
(Model-Stability-Input V)



PIN CONNECTIONS

PIN 1	OUTPUT	TOL. 2 PLACE: ± .04
PIN 2	SUPPLY VOLTAGE	TOL. 3 PLACE: ± .020
PIN 3	0 VOLTS & CASE GND	
PIN 4	EFC	
PIN 5	0 VOLTS & CASE GND	
PIN 6	0 VOLTS & CASE GND	

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

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