



# ZT620 to ZT623 Series TCXO

1.25MHz – 200MHz  
(Rev C)

GREENRAY INDUSTRIES, INC.

PRECISION QUARTZ TECHNOLOGY

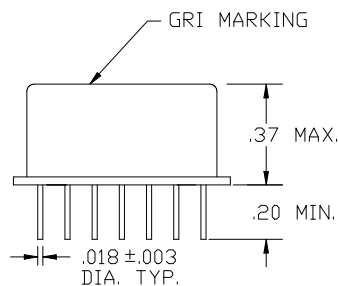
Standard DIP Package  
Tight Stability/Low Noise

## SPECIFICATIONS

<b>Frequency</b>	1.25 MHz to 300.0 MHz		
<b>Output</b>	ZT620/ZT621 - Squarewave, CMOS (available at 1.25 to 100 MHz) ZT622/ZT623 – PECL (available 50 to 200MHz)		
<b>Load</b>	ACMOS – 15pF ±5% PECL – 50 ohms to $V_{supply} - 2.0V$		
<b>Symmetry</b>	50% ±10%		
<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>Aging</b>	<1ppM/yr		
<b>Input V</b>	ZT620 & ZT622 - +5.0VDC ±5% ZT621 & ZT623 - +3.3VDC ±5%		
<b>Phase Noise</b> (typ @ 10MHz)	10Hz	-95dBc/Hz	
	100Hz	-125dBc/Hz	
	1kHz	-140dBc/Hz	
	10kHz	-150dBc/Hz	
	100kHz	-155dBc/Hz	
<b>Frequency Adjust</b>	±5.0ppM typ, positive slope 0 to $V_{supply}$ EFC		

Ordering Example:

ZT620-N37-10.0 MHz  
(Model-Stability-Frequency)



### Pin Connections:

- 1 - EFC
- 7 - 0V/Case Gnd
- 8 - Output
- 14 - Supply V

