



# T1185 Series TCXO

100 to 800 MHz

Rev. B

GREENRAY INDUSTRIES, INC.

## PRECISION QUARTZ TECHNOLOGY

Very Rugged TCXO  
Low Noise

### SPECIFICATIONS

<b>Frequency</b>	100.0 MHz to 800.0 MHz		
<b>Output</b>	LVPECL		
<b>Supply Voltage</b>	+3.3 VDC $\pm$ 5%		
<b>Supply Current</b>	< 100mA		
<b>Symmetry</b>	50% $\pm$ 10%		
<b>Load</b>	50 ohms to Vcc-2.0VDC or equivalent		
<b>Temp Stability</b>	<b>Temp Range</b>	<b>Tolerance</b>	<b>Option</b>
	-20 to +70°C	$\pm$ 1.0ppM	N16
	-20 to +70°C	$\pm$ 0.5ppM	N57
	-40 to +85°C	$\pm$ 1.0ppM	T16
	-40 to +85°C	$\pm$ 0.5ppM	T57
<b>Reflow Shift</b>	<2.0ppM following a 48 hr settling time		
<b>Aging</b>	<1 ppM/yr; <5ppM over 10 years		
<b>Freq Adjust</b>	$\pm$ 5ppM typ via 0 to +3.3V control V, positive slope; or no adjust		
<b>Phase Noise</b>	<b>Offset</b>	<b>dBc/Hz (static)</b>	
(typ @ 800MHz)	10Hz	-50	
	100Hz	-80	
	1kHz	-100	
	10kHz	-110	
	100kHz	-110	
<b>Environmentals</b>	this part can be screened to MIL-PRF-55310, Class B, except for seal test		

### Pad Connections

- 1 - EFC or N/C
- 2 - N/C or V<sub>REF</sub> or Tristate
- 3 - 0 V & Case Gnd
- 4 - Output +
- 5 - Output -
- 6 - VSupply

(Mounting pads are gold plated)

