



T1185 Series TCXO

100 to 800 MHz

Rev. B

GREENRAY INDUSTRIES, INC.

PRECISION QUARTZ TECHNOLOGY

SPECIFICATIONS

Very Rugged TCXO
Low Noise

Frequency	100.0 MHz to 800.0 MHz		
Output	LVPECL		
Supply Voltage	+3.3 VDC \pm 5%		
Supply Current	< 100mA		
Symmetry	50% \pm 10%		
Load	50 ohms to Vcc-2.0VDC or equivalent		
Temp Stability	Temp Range	Tolerance	Option
	-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
Reflow Shift	<2.0ppM following a 48 hr settling time		
Aging	<1 ppM/yr; <5ppM over 10 years		
Freq Adjust	\pm 5ppM typ via 0 to +3.3V control V, positive slope; or no adjust		
Phase Noise	Offset	dBc/Hz (static)	
(typ @ 800MHz)	10Hz	-50	
	100Hz	-80	
	1kHz	-100	
	10kHz	-110	
	100kHz	-110	
Environmentals	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_{REF} or Tristate
- 3 - 0 V & Case Gnd
- 4 - Output +
- 5 - Output -
- 6 - VSupply

(Mounting pads are gold plated)

