



GREENRAY INDUSTRIES, INC.

T1178 TCXO

400.0 MHz

Rev. B

PRECISION QUARTZ TECHNOLOGY

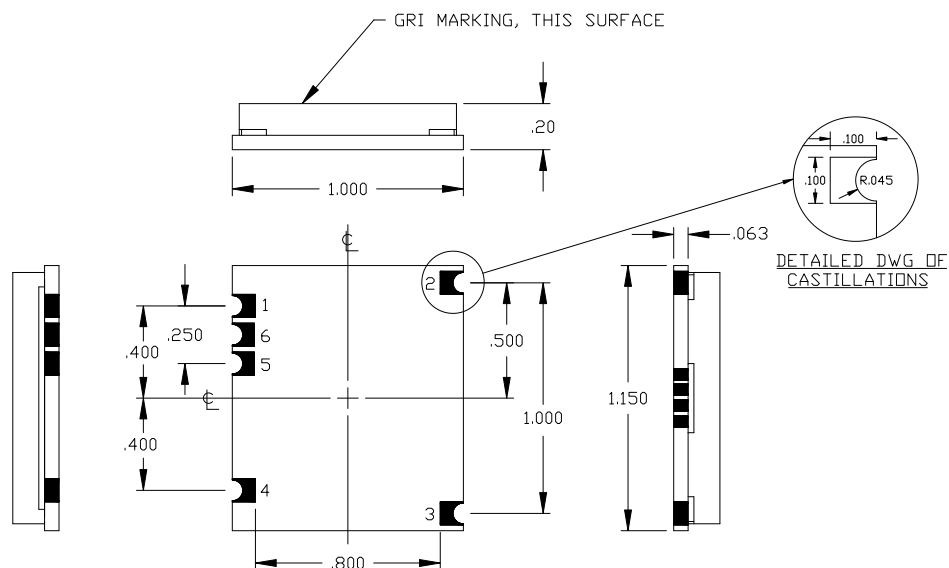
SPECIFICATIONS

Frequency	400.0 MHz
Output	LVPECL
Jitter	<6ps RMS; <1ps @ 12kHz – 20MHz
Symmetry	50% ± 10%
Subharmonics	-45 max, goal of -60dBc
Temp Stability	Temp Range Tolerance
	-40 to +85°C ±1.0ppM
Freq vs. Supply	±1x10 ⁻⁷ for a 5% change
Reflow Shift	<2.0ppM following a 48 hr settling time
Aging	<1 ppM/yr
Supply Voltage	+3.3 VDC ± 5%
Supply Current	< 50mA
Freq Adjust	±5ppM typ via 0 to +3.3V control V, positive slope
Phase Noise	Offset dBc/Hz (static)
(typical)	10Hz -65
	100Hz -95
	1kHz -110
	10kHz -130
	100kHz -137
	1MHz -148

SMT TCXO
Tight Temp Stability

Pad Connections

- 1 - Output +
- 2 - Supply V
- 3 - 0 V & Case Gnd
- 4 - EFC
- 5 - Output -
- 6 - 0 V & Case Gnd



840 W. Church Rd., Mechanicsburg, PA 17055

Tel: 717-766-0223 Fax: 717-790-9509

www.greenrayindustries.com email: sales@greenrayindustries.com