

- Very rugged TCXO
- Low Phase Noise



DESCRIPTION

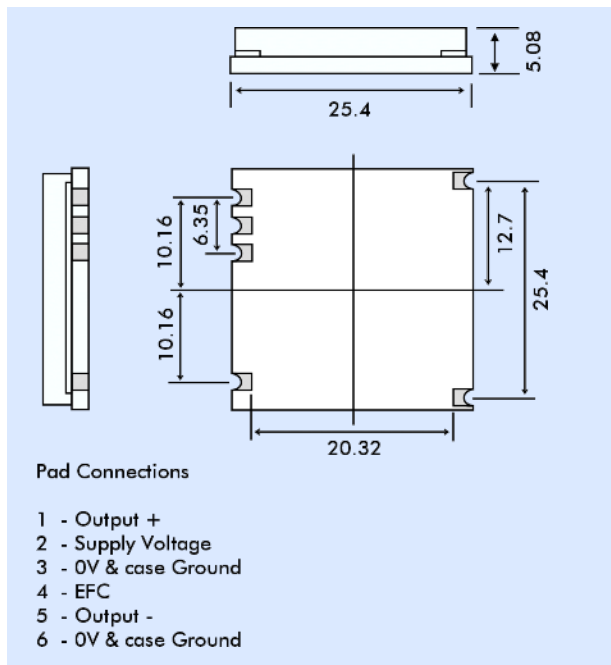
T1178 TCXOs are high stability TCXOs designed for SMD applications.

SPECIFICATIONS

Frequency:	400.0MHz
Output:	LVPECL
Jitter:	< 6ps RMS; < 1 ps @ 12kHz to 20MHz
Symmetry:	50%±10%
Subharmonics:	-45 max., goal of -60dBc
Temperature Stability:	±1.0ppm over -40 to +85°C
Frequency vs. Supply:	±1x10 ⁻⁷ for a 5% change
Reflow Shift:	<2.0ppm after a 48 hour setting time
Ageing:	<1 ppm/year
Supply Voltage:	+3.3VDC ±5%
Supply Current:	<50mA
Frequency Adjust:	±5ppm typical via 0 to 3.3V control voltage, positive slope

Designed and manufactured by Greenray Industries Inc.

T1178 - OUTLINES AND DIMENSIONS



PHASE NOISE (Typical)

Offset	dBc/Hz (static)
10Hz	-65
100Hz	-95
1kHz	-110
10kHz	-130
100kHz	-137
1.0MHz	-148

PART NUMBERING

Example: **T1178-400.0MHz**

