

- **Very rugged construction TCXO**
- **Industry-standard 7x5mm miniature SMD format**
- **Tight tolerances over temperature from 0.28ppm**
- **Frequency 20MHz**
- **HCMOS output**

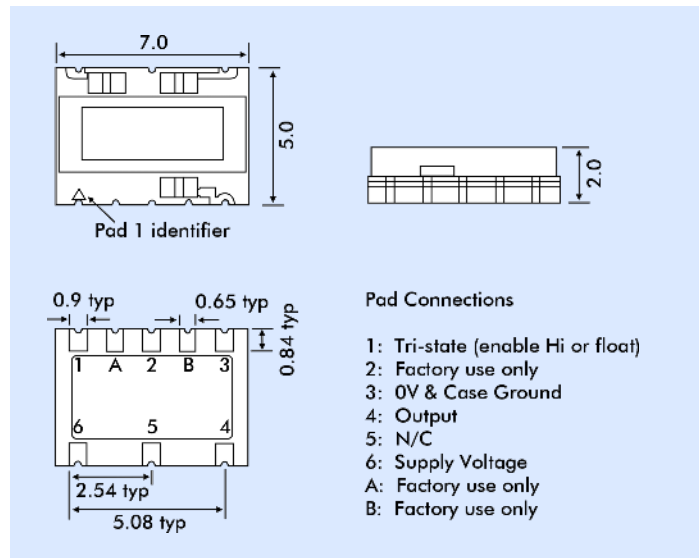

T1235 - OUTLINES AND DIMENSIONS
DESCRIPTION

T1235 series TCXOs are packaged in the industry-standard 7x5mm miniature SMD format. The parts have a rugged construction, able to withstand high shock loads and has tight temperature stability.

GENERAL SPECIFICATION

Frequency:	20.0MHz
Output:	HCMOS or Clipped Sinewave
Symmetry:	50%±10% (HCMOS)
Output level:	+0.2V max. to +2.8V min, 15pF load
Initial Accuracy:	±0.5ppm at 25°C when shipped.
Temperature Stability	
0°C to +70°C:	±0.28ppm
Frequency vs. Input V:	≤±0.1ppm
Holdover Stability:	±0.37ppm max.
Overall Stability:	±4.6ppm max over 15 years
Ageing:	≤±0.04ppm/day; ≤±3ppm /15 years
Frequency Adjust:	None, set to nominal by factory
Supply Voltage:	+3.3VDC±5%
Supply Current:	<6mA
Start-up Time:	≤10ms to reach proper output levels

Designed and manufactured by Greenray Industries Inc.


ENVIRONMENTAL

Vibration:	per MIL-STD-202G, Meth. 214, Cond. I-F
Shock:	per MIL-STD-202G, Meth. 213, Cond. F

T1235 - PART NUMBERING/ORDERING PROCEDURE

Example: **T1235**