

- Rugged construction for severe environments
- Tight stability, from $\pm 0.5\text{ppm}$ over -40° to $+85^\circ\text{C}$
- Squarewave (CMOS), Clipped Sine, LVPECL or LVDS outputs



SPECIFICATIONS

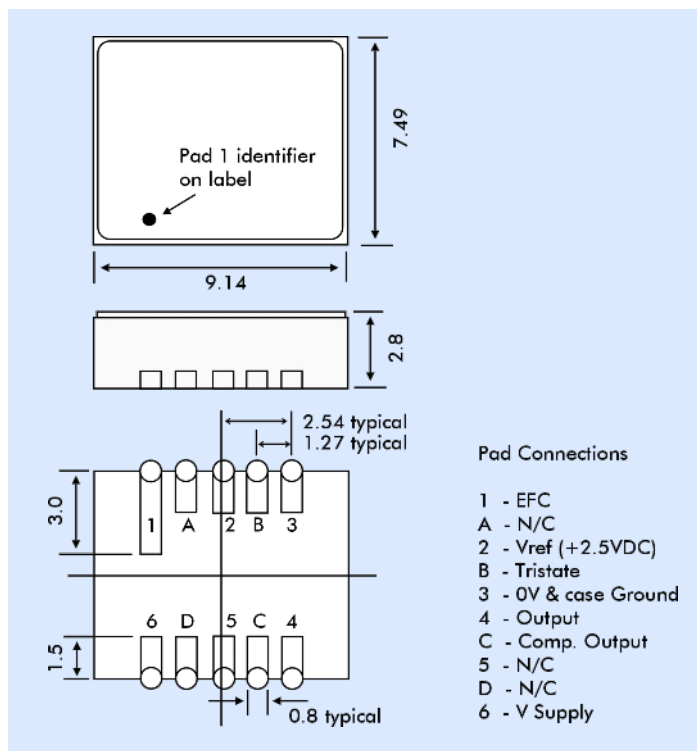
| | |
|---------------------------|---|
| Frequency Range: | 750.0kHz to 800MHz |
| Output: | Option 'C': CMOS Square (750kHz to 150MHz) Option 'S': Clipped Sinewave (10MHz to 50MHz) Option 'PE': LVPECL (20MHz to 800MHz) Option 'DS': LVDS (20MHz to 800MHz) |
| Symmetry: | $50\% \pm 10\%$ |
| Frequency Stability: | See table |
| Ageing: | $< 1\text{ppm/year}$, $< 10\text{ppm}$ for 20 years |
| Frequency Adjust: | $\pm 7\text{ppm}$ typical for 0 to V_{cc} EFC Positive slope |
| Supply Voltage: | +2.7 Volts to +5.0 Volts $\pm 5\%$ |
| Supply Current: | $< 80\text{mA}$ (frequency dependent) |
| Acceleration Sensitivity: | $2.5 \times 10^{-9}/g$ standard (SD) $< 7 \times 10^{-10}/g$ available (Option LG) |

ENVIRONMENTAL

| | |
|--|--------------------------------------|
| Vibration: | per MIL-STD-202F, Meth. 204, Cond. A |
| Shock: | per MIL-STD-202F, Meth. 213, Cond. C |
| Storage Temperature: | -55° to $+95^\circ\text{C}$ |
| Part may be screened to MIL-PRF-55310, Class 3 Product Level B (option B); no screening is option 'X'. | |
| Fine Leak: | per MIL-STD-202, Meth. 112, Cond. C |
| Other vibration and shock levels may be available upon review by Euroquartz engineering. | |

Designed and manufactured by Greenray Industries Inc.

T1215 - OUTLINES AND DIMENSIONS



STABILITY OVER TEMPERATURE

| Temp. Range | Stability | Option Code |
|------------------------------------|---------------------|-------------|
| $-40^\circ \sim +85^\circ\text{C}$ | $\pm 0.5\text{ppm}$ | T57 |
| $-40^\circ \sim +85^\circ\text{C}$ | $\pm 1.0\text{ppm}$ | T16 |
| $-55^\circ \sim +85^\circ\text{C}$ | $\pm 2.0\text{ppm}$ | U26 |
| $-55^\circ \sim +95^\circ\text{C}$ | $\pm 3.0\text{ppm}$ | V36 |

PART NUMBERING PROCEDURE

Example: **T1215-T57-PE-2.7-X-100.0MHz**

