

- TCXO constructed for Very rugged applications
- Miniature SMD format package
- Tight tolerances over temperature from 0.1ppm
- Wide frequency range, 10MHz to 50MHz
- Output CLIPPED SINEWAVE



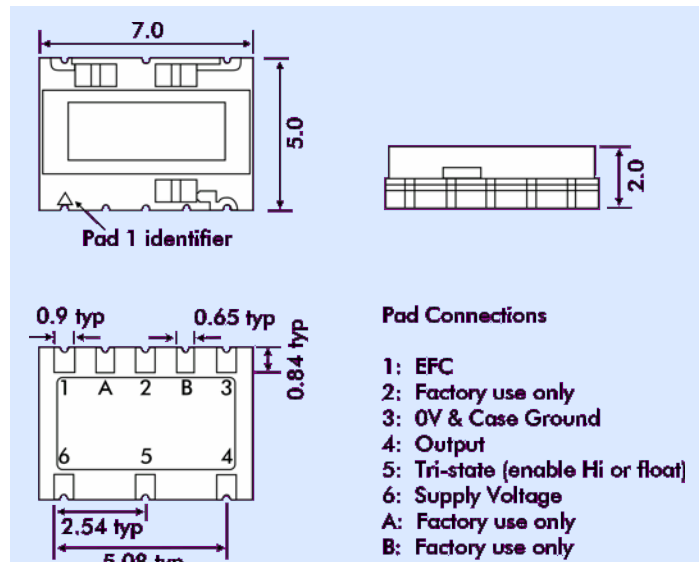
### T72 - OUTLINES AND DIMENSIONS

### DESCRIPTION

T72 series TCXOs are packaged in a miniature SMD format. The parts have a rugged construction and are able to withstand up to 50,000g. The part is available over a wide frequency range with close tolerances over temperature.

### GENERAL SPECIFICATION

Frequency Range:	10.0MHz to 50.0MHz
Output:	Clipped Sinewave
Output Level:	0.8V p-p into 10pF/100k load
Temperature Stability:	See table
Ageing:	<1ppm/yr at 10MHz (typical)
Frequency adjust:	±7ppm typical via 0 to Vcc control voltage, positive slope.
G-Sensitivity	
Standard (SD):	≤2.5x10 <sup>-9</sup> /g typical
Low G-Sensitivity version:	(LG) ≤7x10 <sup>-10</sup> /g typical
Supply Voltage:	+3.3VDC ±5% or +5.0VDC ±5%
Supply Current:	<3mA



### ENVIRONMENTAL

Vibration: per MIL-STD-202G, Meth. 214, Cond. I-F  
 Shock: per MIL-STD-202G, Meth. 213, Cond. F  
 (Shock levels to 50,000g are available)

### SPECIFYING INFORMATION

Model No:	Input Voltage	Output Type
T72	+3.3V	Clipped Sine Wave
T73	+5.0V	Clipped Sine Wave

### FREQUENCY STABILITY OVER TEMPERATURE

Temperature Stability (°C)	Tolerance	Option
-10 ~ +60	±0.1ppm	G17
-20 ~ +70	±0.1ppm	N17
-40 ~ +85	±0.2ppm	T27
-40 ~ +85	±0.1ppm	T37
-55 ~ +95	±1.0ppm	V16

### T72 - PART NUMBERING PROCEDURE

Example: **T72-T27-20.0MHz**

