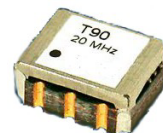


Rugged construction CMOS/PECL/Sinewave 9 x 7.5 x 4mm SMD

- Very rugged construction TCXO
- Miniature SMD format
- Very close tolerances over temperature from 0.3ppm
- Wide frequency range, 10MHz to 200MHz
- Available with HCMOS, PECL, LVPECL or SINEWAVE outputs



DESCRIPTION

T90 series TCXOs are packaged in a miniature SMD format. The rugged construction enables the ability to withstand 100,000g. The series offers a wide frequency range and close tolerances over temperature.

GENERAL SPECIFICATION

Frequency Range:	10.0MHz to 200.0MHz
Output	HCMOS: 10MHz to 50MHz PECL: 50MHz to 200MHz Sinewave: 20MHz to 200MHz
Symmetry:	50% ± 10% (HCMOS)
Output level	Sinewave: +0.8Vp-p typical into 10pF/100kOhm HCMOS: <0.2V min. to >Vcc-0.2V max.
Temperature Stability:	See table
Ageing:	<1ppm/yr (10MHz typical)
Frequency adjust:	+5ppm typical via 0 to +5V or 0 to +3.3V control voltage, pos. slope
Supply Voltage:	+5.0VDC ±5% or +3.3VDC
Supply Current	HCMOS: <20mA PECL: <50mA Sinewave: <6mA

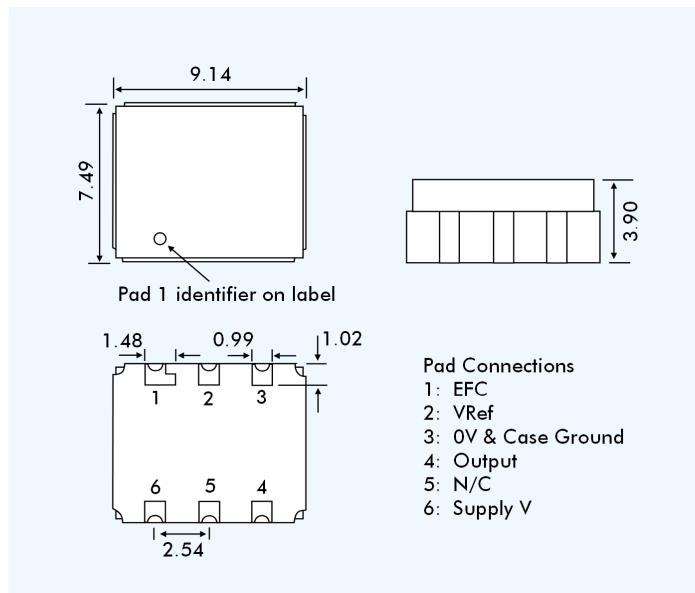
ENVIRONMENTAL

Vibration: per MIL-STD-202F, Meth. 204, Cond. A
 Shock: per MIL-STD-202F, Meth. 213, Cond. C
 (Shock levels to 100,000g are available)

FREQUENCY STABILITY OVER TEMPERATURE

Temperature Stability (°C)	Tolerance	Model No.
-20 ~ +70	±0.3ppm	N37
-20 ~ +70	±0.5ppm	N57
-40 ~ +85	±0.5ppm	T57
-40 ~ +85	±1.0ppm	T16
-55 ~ +95	±2.0ppm	V26

T90 - OUTLINES AND DIMENSIONS



SPECIFYING INFORMATION

Model No:	Input Voltage	Output Type
T90	+5.0V	HCMOS
T91	+3.3V	HCMOS
T92	+5.0V	PECL
T93	+3.3V	LVPECL
T94	+5.0V	SINEWAVE
T95	+3.3V	SINEWAVE

T90 - PART NUMBERING PROCEDURE

Example: **T90-N37-20.0MHz**
 (Model number - stability - frequency)

T90 - CUSTOMISED PARAMETERS

There are a wide variety of custom options available for the T90 series TCXO. Contact Euroquartz technical sales with your requirements:

technical@euroquartz.co.uk