

- Tight stability over wide temperature range
- Output HCMOS
- Industry-standard dual-in-line package
- Supply voltage 5.0 Volts



DESCRIPTION

T1254 series TCXOs are standard-packaged 14 pin DIL TCXOs. The parts offer a tight frequency stability over a wide temperature range with low phase noise performance. Supply voltage 5.0Volts.

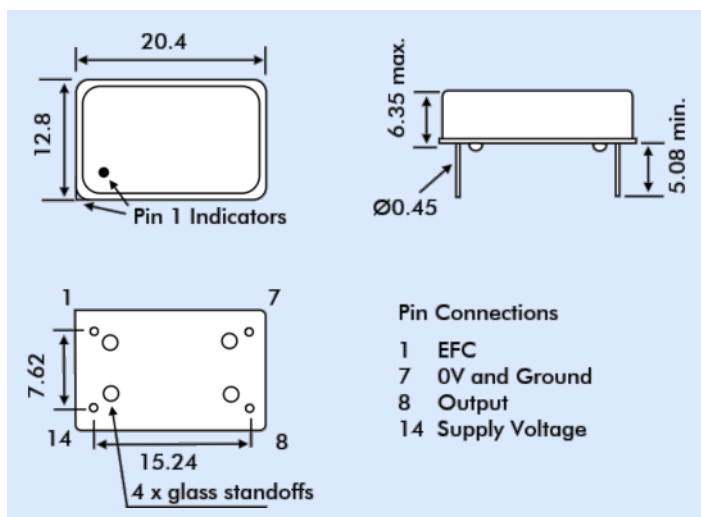
Note: this part is not designed for reflow processes and should be hand soldered only.

GENERAL SPECIFICATION

Frequency Range:	10.0MHz to 50.0MHz	
Output:	HCMOS	
Symmetry:	50%±10%	
Output Level:	+0.2V max. to +4.5V min.(15pF load)	
Temperature Stability:	See table	
Short Term Stability:	≥1x10 ⁻⁹ for a 1second tau	
Ageing:	± 1ppm /year	
Input Current:	15mA typical (10MHz)	
Frequency Adjust:	±7ppm typ via 0 to Vcc control V, negative slope	
Supply Voltage:	5.0 VDC±5%	
Freq. vs. Voltage:	±3x10 ⁻⁷ max for a 2% change	
Supply Current:	<35mA	
Accel. Sensitivity:	≥2.5x10 ⁻⁹ /g (SD) or ≥7x10 ⁻¹⁰ /g (LG)	
Phase Noise:	Offset	dBc/Hz
	10Hz	-90
	100Hz	-120
	1kHz	-145
	10kHz	-150
	100kHz	-155

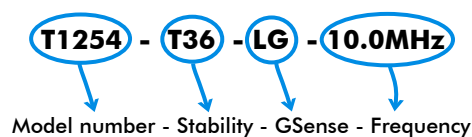
Designed and manufactured by Greenray Industries Inc.

OUTLINES AND DIMENSIONS



PART NUMBERING

Example: **T1254-T36-LG-10.0MHz**



STABILITY OVER TEMPERATURE

Temp. Range	Stability	Part No. Code
-20~+70°C	±1.0ppm	N16
-40~+85°C	±3.0ppm	T36
-55~+95°C	±5.0ppm	V56

ENVIRONMENTAL

Vibration -	per MIL-STD-883, Meth. 2007, Cond. A
Shock -	per MIL-STD-883, Meth. 2002, Cond. B
Operating Temp. -	-40° to +105°C
Storage Temp. -	-65° to +125°C
Radiation -	unit shall continue to operate during exposure to 30kRad
Terminal Finish -	SN63/PB37 solder dipped
Package Finish -	Stainless Steel and Nickel-plated Kovar
Package Weight -	approximately 3 grams

Note - this part is not designed for reflow and should only be hand soldered only