

## ACT752T-4 (TCXO) ACT752VT-4 (VCTCXO) Clipped Sinewave

Compatible with Eu Directive  
2002/EC - RoHS

The ACT752T/VT-4 is available in TCXO and VCTCXO versions. Both of which are housed in a ceramic package with a seam sealed metal lid and mounted on a substrate, having external components. Ideal for Communications Applications.

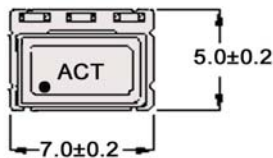
Please specify whether you require a TCXO or VCTCXO version when ordering.



### Specification

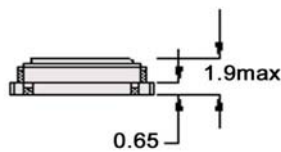
Parameter	Symbol	Specification	Condition
Frequency Range	fo	10.0 ~ 26.00 MHz	Please specify
<b>Frequency Stability</b>			
vs. Temperature	Df/fo	±2.5ppm	@ Specified Operating Temp. range
vs. Aging	Fa	±1.0ppm per year	25+/-3°C
vs. Voltage change		±0.3ppm	+3.0V ± 0.3V
vs. Load change		±0.2ppm	10KΩ / 10pF ± 10%
vs. Reflow		±0.5ppm	One solder reflow cycle
Temp Operating Range	Topr	-30° ~ +75°C & -30° ~ +85°C	Please specify
Storage Temp Range	Tstg	-40~ 85°	
Supply Voltage	Vcc	3.0V ±0.3V	
Supply Current	Iop	2.0mA max	
Start up Time		2.5mSec max, 2mSec typical.	
Input Voltage Range	Vin	+2.7VDC ~ 5.0VDC	Rating please see note (#) below
Voltage Control Range	Vcont	0.5V to +2.5V	VCTCXO
Tuning Adjustment		±8ppm min	VCTCXO
Slope Polarity/Linearity		Positive / 10% max	VCTCXO
Output Waveform		Clipped Sine Wave	
Output Voltage	Vout	0.8V p-p max	
Output Load	N/CL	10KΩ / 10pF	

# Oscillator will function over this range of Vcc but will not necessarily meet the specifications for a Vcc outside of 3.3±0.3V.

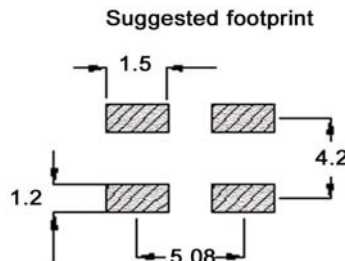
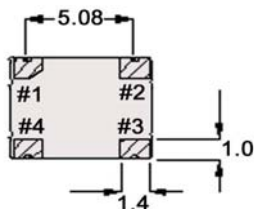


#### Pad Connections

- #1 TCXO Ground
- #2 VCTCXO V Control
- #3 Output
- #4 Vcc



#### Dimensions (mm)



Pad Surface Material  
Au

Please note that all parameters can not necessarily be specified in the same device

Customer to specify : Frequency, Type, Stability, Operating Temperature Range.

In line with our ongoing policy of product evolution and improvement, the above specification may be subject to change without notice

ISO9001:2000 Registered

For quotations or further information please contact us at:

3 The Business Centre, Molly Millars Lane, Wokingham, Berkshire, RG41 2EY, UK

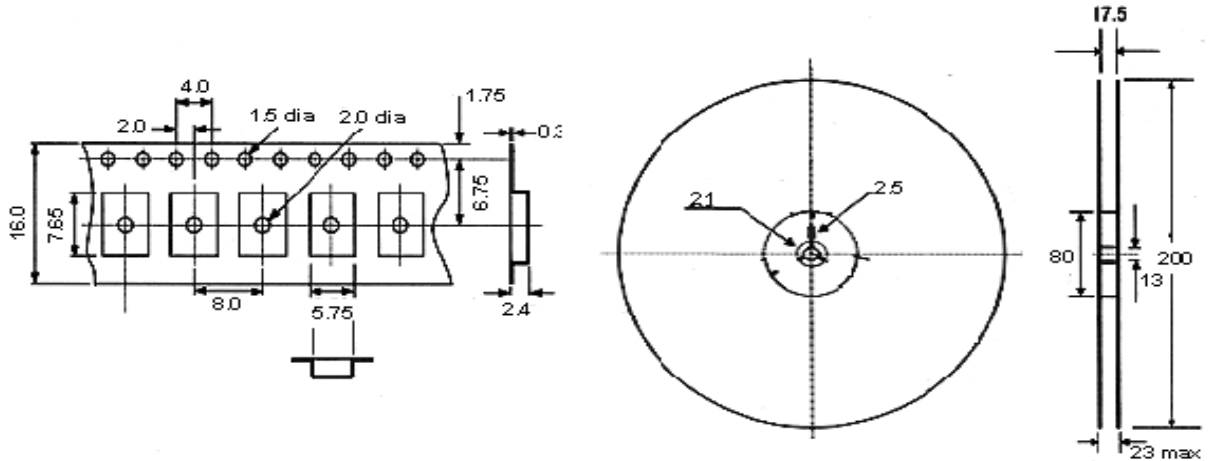
<http://www.actcrystals.com>

Issue: 4 I3  
Date:28/10/05

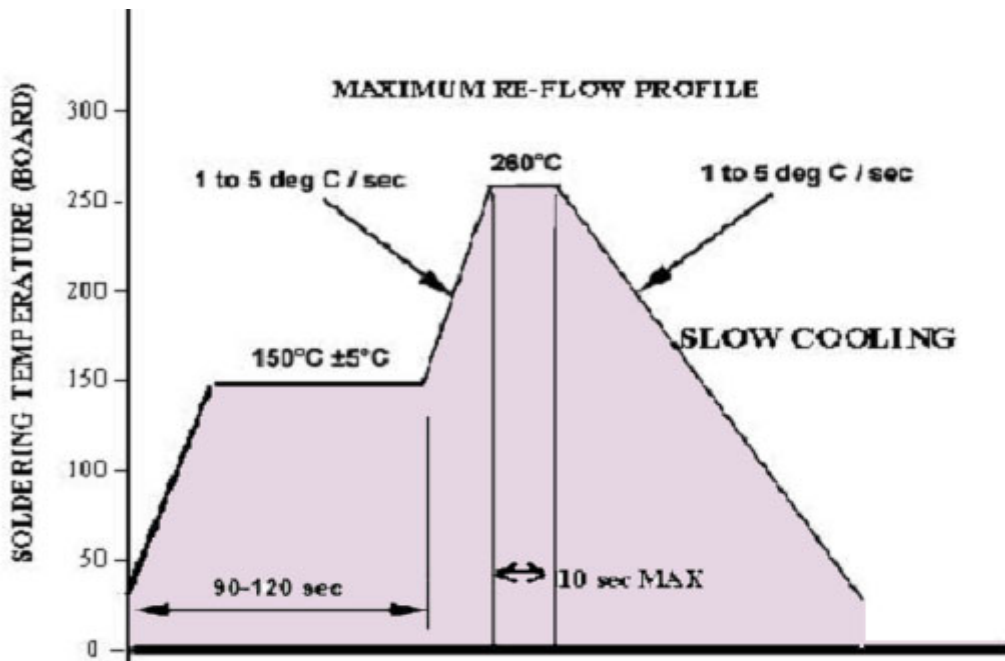
**ACT752T/VT -4 TAPE & REEL SPECIFICATIONS**

Standard Reel size 1000pcs

Tape / Reel Dimensions ( Units in mm )



**Soldering Reflow Information**



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