

## ACT3000 - TCXO (Clipped Sinewave)

Compatible with Eu Directive  
2002/EC - RoHS



The ACT3000 family is a range of TCXOs and VCTCXOs (For VCTCXOs see separate date sheet) housed in a variety of Surface Mount and Through Hole packages. These devices offer a wide frequency range and good reliability at competitive prices, for a wide variety of applications. In addition to normal specifications it is also necessary to select the package - see page 2.

### Specification

Parameter	Symbol	Specification	Condition
Frequency Range	fo	8.00 ~ 160 MHz	Please specify
Temp Operating Range	Topr	-10° ~ +60°C, -40 ~ +85°C	Please specify
Storage Temp Range	Tstg	-55 ~ 125°C	
<b>Frequency Stability</b>			
vs Operating Temp.	$\Delta f/f_0$	8~40 (♥), 40.1~59.9 (♣) 60~99.9 (♦), 100~160 (▲)MHz	See table 1 Please specify
vs Input Voltage	V <sub>in</sub>	±0.3ppm max	
vs Load		±0.3ppm max	
Aging	Fa	±1ppm max	Per year
Supply Voltage	V	3.3VDC ±5% or 5.0VDC±5%	Please specify
Supply Current	I	10mA max	
Frequency Adjustment	$\Delta f_c$	±3ppm min	Mechanical
Output Load	N/CL	10K $\Omega$ /10pF	
Output Voltage	V <sub>out</sub>	0.8V p-p (3.3VDC ±5%) 1.0V p-p (5.0VDC ±5%)	
Output	O/P	Clipped Sinewave	Please specify

Table 1

Temp	Stability					
	ppm					
	±1.5	±2.0	±2.5	±3.0	±3.5	±5.0
0 ~ 50°C	♥ ♣ ♦	♥ ♣ ♦ ▲	♥ ♣ ♦ ▲	♥ ♣ ♦ ▲	♥ ♣ ♦ ▲	♥ ♣ ♦ ▲
-10 ~ 60°C	♥	♥ ♣	♥ ♣	♥ ♣ ♦	♥ ♣ ♦	♥ ♣ ♦ ▲
-20 ~ 70°C		♥	♥ ♣	♥ ♣	♥ ♣ ♦	♥ ♣ ♦ ▲
-30 ~ 75°C			♥	♥ ♣	♥ ♣	♥ ♣
-40 ~ 85°C				♥	♥	♥ ♣

**For package details / options please see page 2.**

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

Customer to specify : Frequency, Operating Temperature, Frequency Stability, Supply Voltage, Output & Package

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:

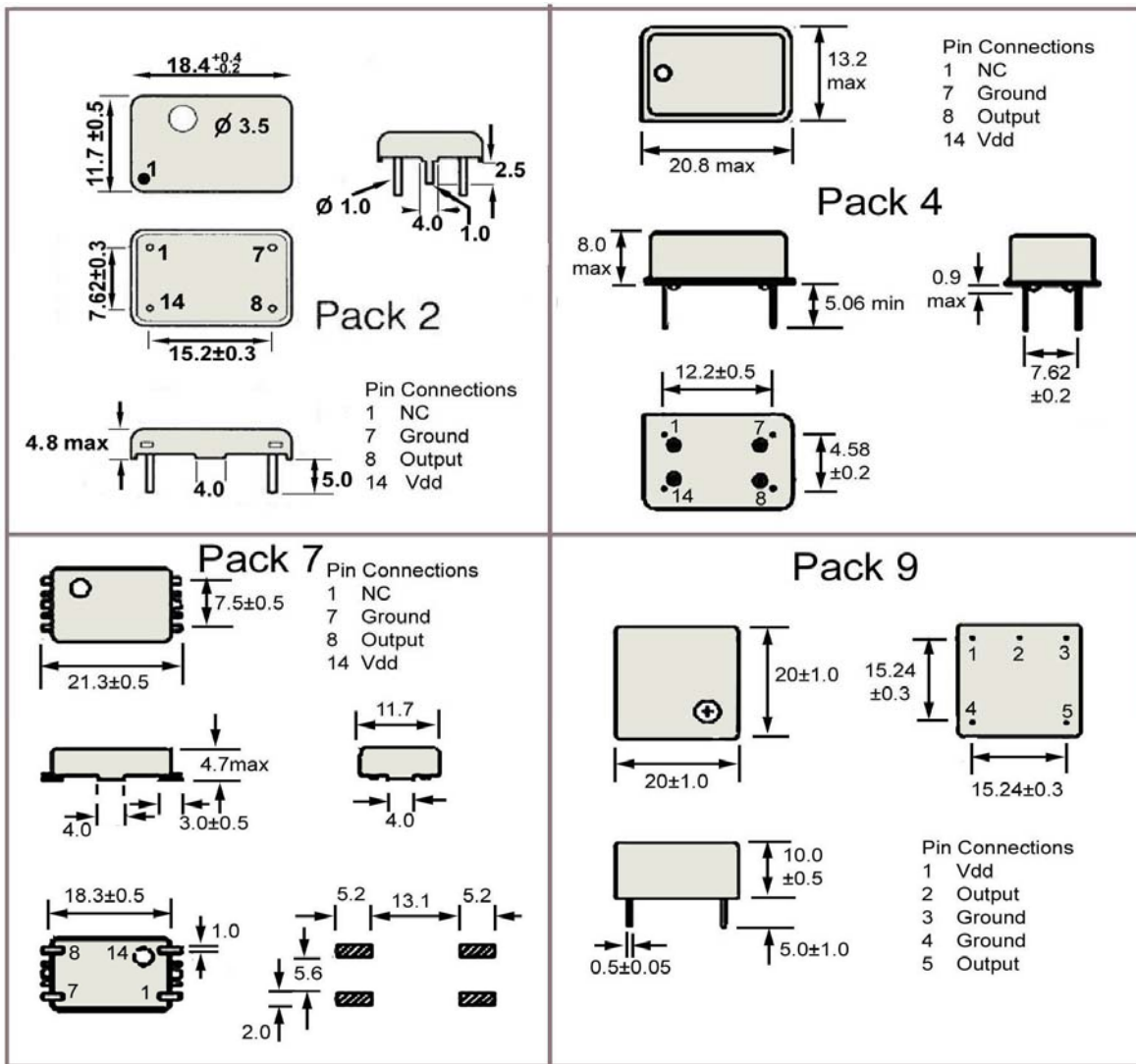
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## ACT3000 - TCXO (Clipped Sinewave) PACKAGE OPTIONS



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