

ACT3000 - VCTCXO (Clipped Sinewave)

Compatible with Eu Directive
2002/EC - RoHS

The ACT3000 family is a range of cost competitive VCTCXOs and TCXOs (For TCXOs see separate data sheet) housed in a variety of Surface Mount and Through Hole packages, offering good reliability at reasonable cost across a wide range of frequencies, stabilities & temperature ranges. Internal (Trimmer) or voltage adjustments are available. **Applications** include Communications, Instrumentation, GPS, Measurement and many more. 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	
Frequency Stability			
vs Operating Temp.	$\Delta f/f_0$	1~40 (♥), 40.1~59.9 (*), 60~99.9 (♦), 100~160 (▲)MHz	See table 1 Please specify
vs Input Voltage	Vin	±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	Δf_c	±3ppm min	Mechanical
Output Load	N/CL	10K Ω //10pF	
Output Voltage	Vout	0.8V p-p (3.3VDC ±5%) 1.0V p-p (5.0VDC±5%)	
Voltage Control	Vc	1.65VDC ± 1.65V 2.5VDC ± 2.0V	
Frequency Adjustment	O/P	±5ppm min	
Output		Clipped Sinewave	Please specify
Polarity		Positive	

Table 1

Temp	Stability					
	±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 see page 2.

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

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

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

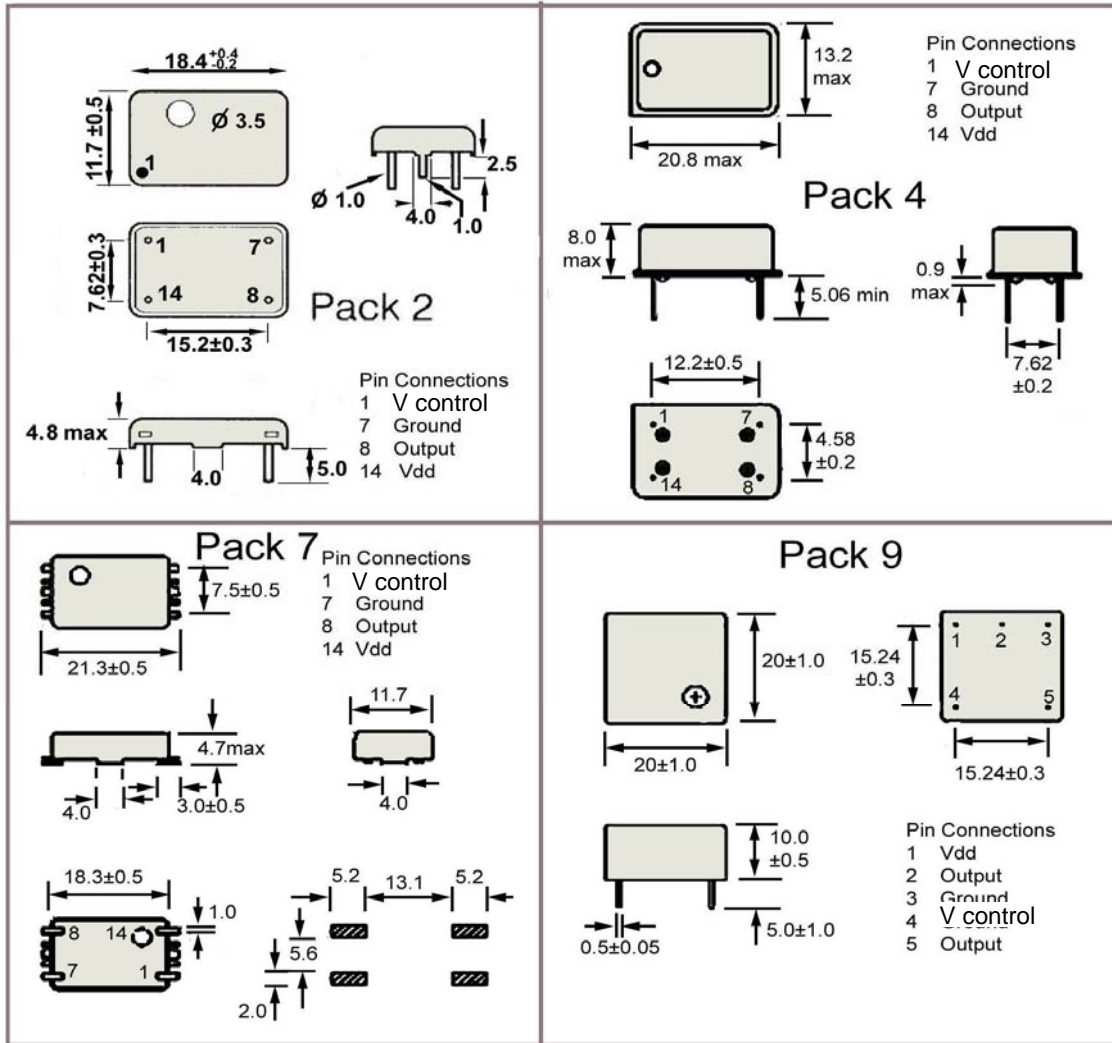
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PACKAGE OPTIONS



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