Tel : 0044 (0)118 979 1238
Fax : 0044 (0)118 979 1283
email : info@actcrystals.com

ACT3000 - TCXO (Clipped Sinewave)

Compatible with Eu Directive 2002/EC - RoHS



The ACT3000 family is a range of TCXOs and VCTCXOs 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 output, the function and the package to ensure you receive the correct part. e.g. Clipped Sinewave, TCXO & pk4.

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.	Δf/fo	8~40 (♥), 40.1~59.9 (♣) 60~99.9 (♦), 100~160 (♠)MHz	See table
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	Δfc	±3ppm min	
Output Load	N/CL	10KΩ//10pF	
Output Voltage	Vout	0.8V p-p (3.3VDC ±5%) 1.0V p-p (5.0VDC ±5%)	
Output	O/P	Clipped Sinewave	

Stability / Temp	±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				♥	♥	♥ ♣

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

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

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

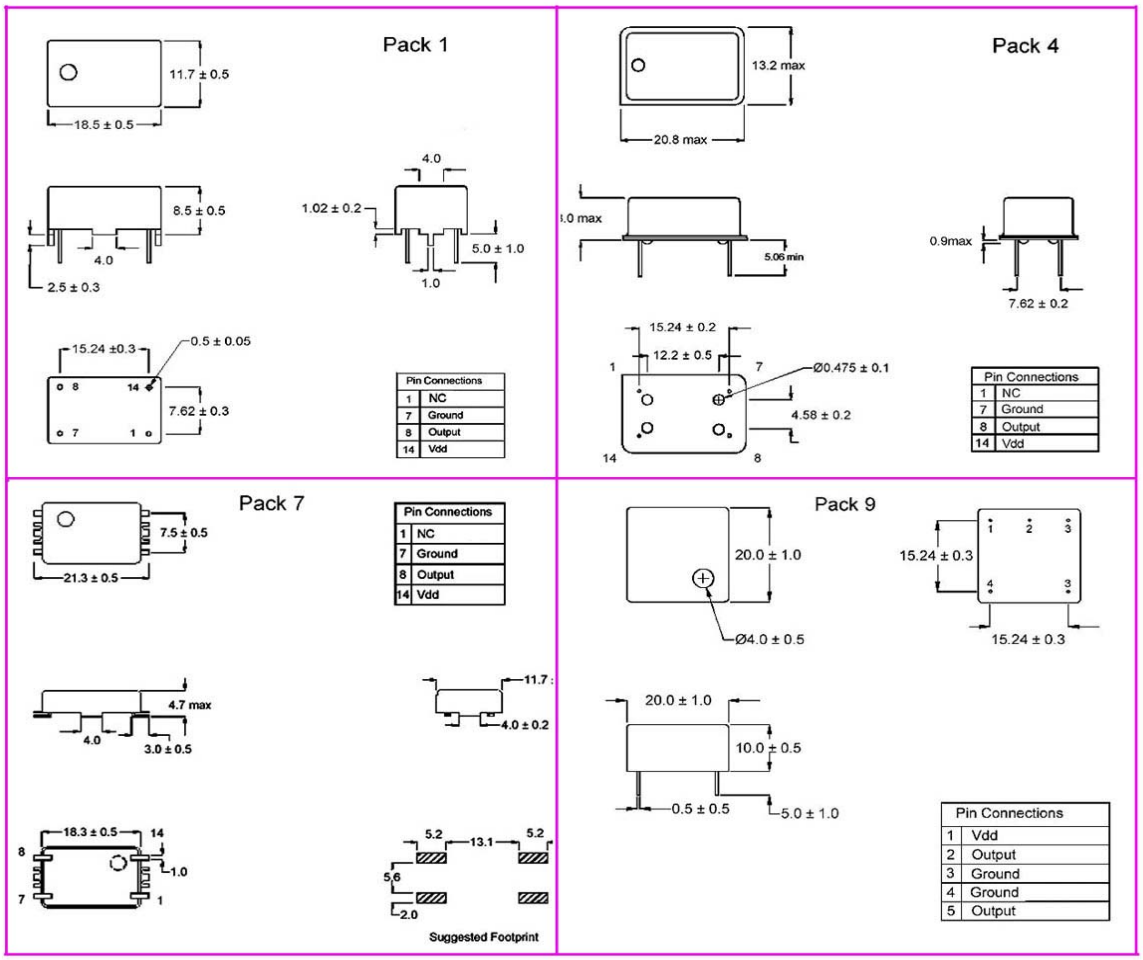
ISO9001:2000 Registered

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: 3 D2
Date: 10/08/04

Tel : 0044 (0)118 979 1238
Fax : 0044 (0)118 979 1283
email : info@actcrystals.com

PACKAGE OPTIONS



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

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

In line with our ongoing policy of product evolvement 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: 3 D2
Date: 10/08/04