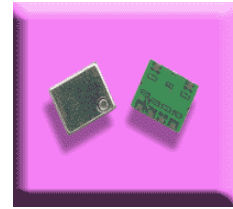


Compatible with Eu Directive
2002/EC - RoHS

ACT381T- 4 & 6 TCXO (HCMOS/TTL)

The ACT381 family is a range of four and six pad TCXOs and VCTCXOs housed in a Metal PCB based SMD package. In addition to this data sheet there is a separate TCXO / VCTCXO data sheet for a clipped sine wave version. It is therefore necessary to select the output and the function to ensure that you receive the correct part. e.g. Clipped Sinewave and TCXO or VCTCXO.



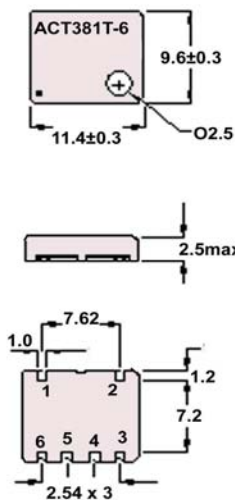
Specification

Parameter	Symbol	Specification	Condition
Supply Voltage	Vdd	3.3Vdc ±5% 5.0Vdc±5%	Please specify
Frequency Range	fo	10.00 ~ 30.00 MHz	Please specify
Temp Operating Range	Topr	Please refer to table 1	Please specify
Storage Temp Range	Tstg	-55 ~ 125°C	
Frequency Stability			
vs Operating Temp	Δf/fo	Please refer to table 1	Please specify
vs Input Voltage	Vin	±0.3ppm max	
vs Load		±0.3ppm max	
Aging	Fa	±1ppm max per year	
Supply Current	Iop	20mA max	
Duty Cycle	Tw/t	40/60% standard , 45/55% option	Please specify
Rise & Fall Time	Tr/Tf	8nSec max	
Mechanical Frequency Adjustment		±3.0ppm min	** Internal trimmer
Output	N/CL	HCMOS / TTL	
Output Load	N/CL	15pF / 10TTL	
Output Level '0'	VOL	0.4Vdc max (TTL) 10% VDD max (HCMOS)	
Output Level '1'	VOH	2.4Vdc min (TTL) 90% VDD min (HCMOS)	

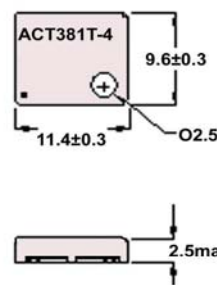
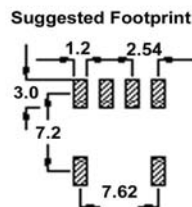
** For some specifications a version without a trimmer may be available. Enquire.

Table 1

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				✓	✓	✓
-30 ~ 80°C						✓

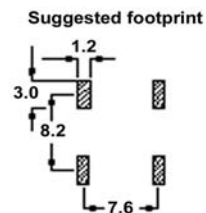
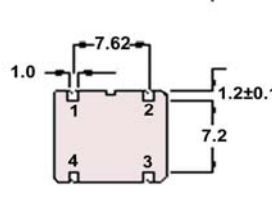


Pin Connections
 #1 Ground
 #2 Ground
 #3 Output
 #4 Ground
 #5 No connection
 #6 Vdd



Pad surface material Au

Pin connections
 #1 No connection
 #2 Ground
 #3 Output
 #4 Vdd



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

Customer to specify : Outline, Frequency, Duty Cycle, Output Type, Stability, Operating Temperature Range & Supply Voltage
 In line with our ongoing policy of product evolution and improvement, the above specification is subject to change without notice

ISO9001:2000 Registered

Issue 6 D2
 Date: 15/11/05

For quotations or further information please contact us at:
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