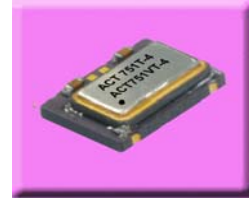


## ACT751T- 4 & ACT751VT-4

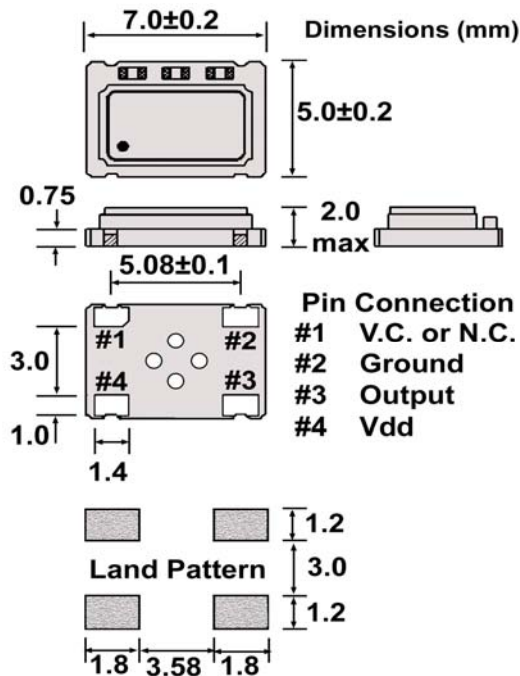
The ACT751T/VT-4 is available in TCXO and VCTCXO versions, both of which are housed in a 7x5mm ceramic package, with a seam sealed metal lid, and mounted on a substrate, having external components. The metal lid is grounded via the base to assist with EMC issues and the pads are gold plated. The product is available in either loose quantities or taped and reeled packaging to cater for both low and high volume requirements. The devices are very suitable for a variety of Communications and Wireless Applications. Please specify whether you require a TCXO or VCTCXO version when ordering.

Compatible with Eu Directive  
 2002/EC - RoHS

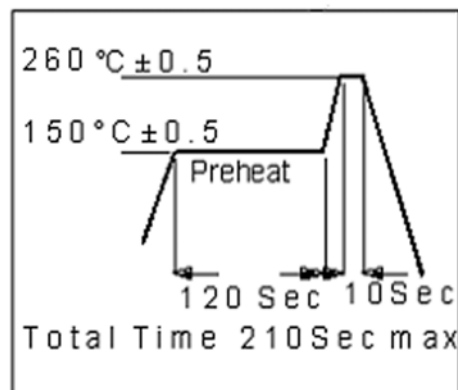


### Specification

Parameter	Symbol	Specification	Condition
Frequency Range	$f_o$	12.0 ~ 26.00 MHz	Please specify
Frequency Stability			Please specify
vs Temperature	$\Delta f/f_o$	See table 1	
vs Aging	$F_a$	$\pm 1.0$ ppm per year	
vs Voltage change		$\pm 0.3$ ppm ( $\pm 5\%$ )	
vs Load change		$\pm 0.3$ ppm 10K $\Omega$ / 10pF $\pm 10\%$	
Temp Operating Range	$T_{opr}$	See table 1	Please specify
Storage Temp Range	$T_{stg}$	-40~ 85°	
Supply Voltage	$V_{DD}$	3.3V $\pm 5\%$	
Supply Current	$I_{DD}$	2.0mA max	
Start up Time		2.5mS max, 2mS typ.	
Voltage Control Range	$V_c$	$1.65V_{DC} \pm 1.65V_{DC}$	VCTCXO
Tuning Adjustment		$\pm 5$ ppm or $\pm 10$ ppm min ( Over $V_c$ range )	VCTCXO
Slope Polarity		Positive	VCTCXO
Linearity		10%	VCTCXO
Output Waveform		Clipped Sine Wave	
Output Voltage	$V_{out}$	0.8V p-p max	
Output Load	N/CL	10K $\Omega$ / 10pF	



Pad Surface Finish : Au over Ni



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

Customer to specify :Type, Frequency, Stability, Tuning, 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

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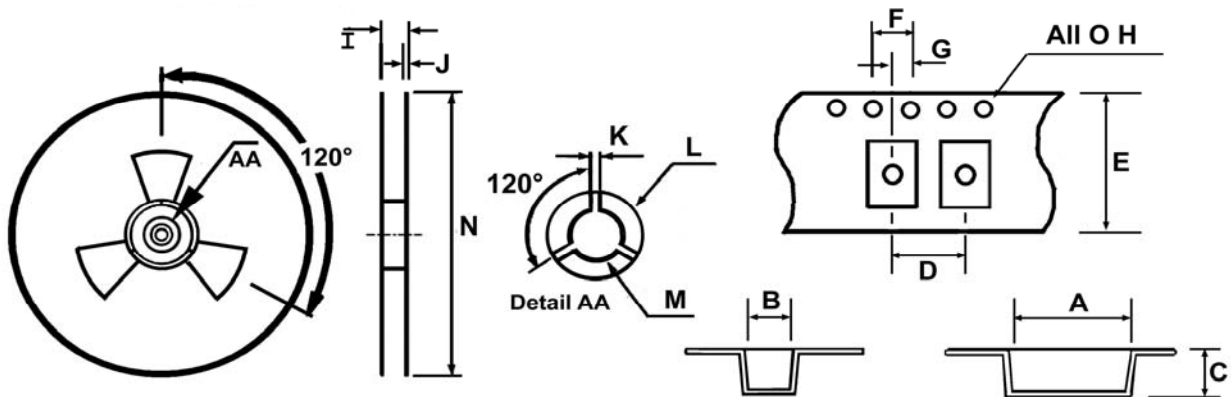
<http://www.actcrystals.com>

## ACT751T- 4 & ACT751VT-4

TABLE 1 - AVAILABLE STABILITIES

Operating Temperature	Frequency stability								
	±1.0ppm	±1.5ppm	±2.0ppm	±2.5ppm	±3.0ppm	±3.5ppm	±4.0ppm	±4.5ppm	±5.0ppm
0~50 °C	*	*	*	*	*	*	*	*	*
-10~60°C		*	*	*	*	*	*	*	*
-10~70°C		*	*	*	*	*	*	*	*
-20~70°C			*	*	*	*	*	*	*
-30~60°C				*	*	*	*	*	*
-30~70°C				*	*	*	*	*	*
-30~75°C				*	*	*	*	*	*
-40~80°C						*	*	*	*
-40~85°C						*	*	*	*

### Tape and Reel Dimensions



A	B	C	D	E	F	G	H	I	J	K	L	M	N
±0.1	±0.1	±0.1	±0.1	±0.3	±0.1	±0.05	+0.1 -0.0	+0.8 -0.0	±0.2	±0.5	±0.5	±0.5	±0.2
7.7	5.3	1.8	8.0	16.0	4.0	2.0	1.5	21.5	2.0	2.0	Ø23	Ø13	Ø330 Ø178

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