

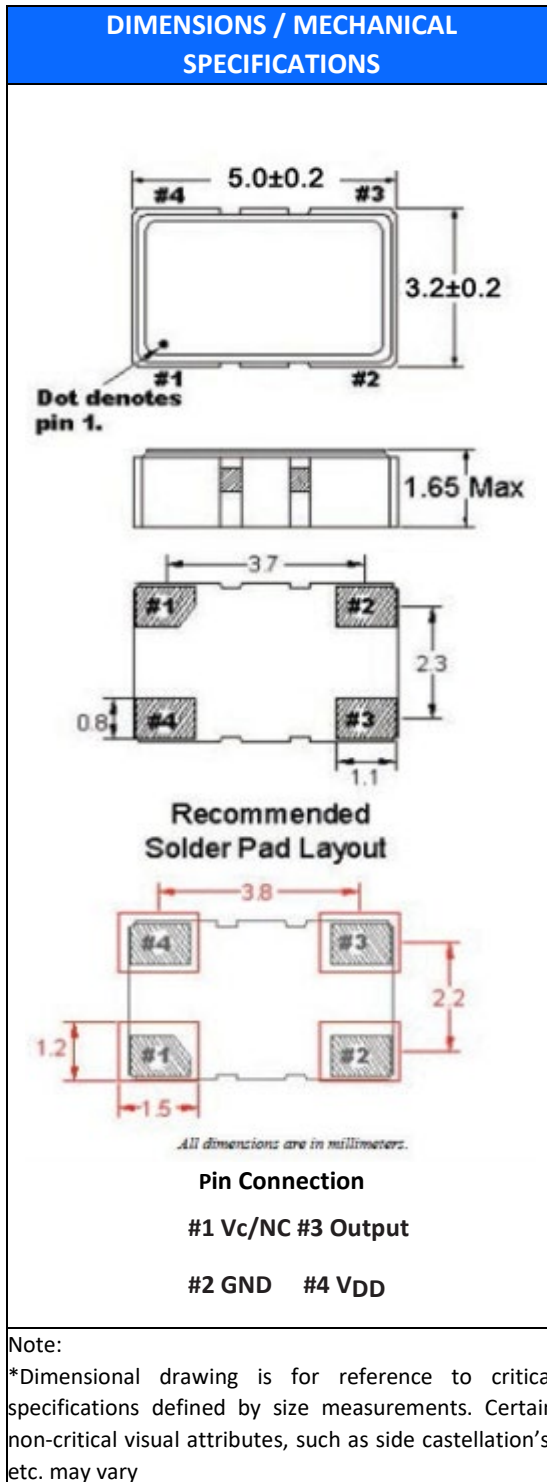
ELECTRICAL CHARACTERISTICS	
PARAMETERS	MAX (Unless otherwise noted)
Storage Temperature Range	-55°C ~ +125°C
Frequency Stability Overall (1 hour after reflow)	±2.0 PPM
Frequency Stability Overall (including 20 years aging) <sup>1</sup>	±4.6 PPM
Vs Supply Voltage	±0.2 PPM
Vs Load (±10%)	±0.2 PPM
Supply Voltage (V <sub>DD</sub> )	3.3V ± 5%
Input Current (I <sub>DD</sub> )	6 mA
Rise Time (10% ~ 90% V <sub>DD</sub> ) (T <sub>R</sub> )	5nS
Fall Time (90% ~ 10% V <sub>DD</sub> ) (T <sub>F</sub> )	5nS
Output Symmetry (50% V <sub>DD</sub> )	45% ~ 55%
Output Voltage (HCMOS)	
Output Low (V <sub>OL</sub> )	10%V <sub>DD</sub>
Output High (V <sub>OH</sub> )	90%V <sub>DD</sub> Min
Output Load	15pF Nom
Start-up Time (T <sub>S</sub> )	2 mS
Pullability (VCTCXO) (V <sub>c</sub> = 1.5±1.0V) <sup>2</sup>	±5 PPM Min
V <sub>c</sub> Input Impedance	100kohms Min
Phase Noise (12.8 MHz)	
@100Hz	-120dBc Typ.
@1kHz	-140dBc Typ.
@10kHz	-148dBc Typ.
Maximum Soldering Temp / Time	260°C / 10 Seconds
Moisture Sensitivity Level (MSL)	1
Termination Finish	Au

AVAILABLE FREQUENCIES		
10.000MHz	12.800MHz	19.200MHz
19.440MHz	20.000MHz	24.576MHz
25.000MHz	26.000MHz	30.720MHz
38.880MHz	40.000MHz	

<sup>1</sup> Inclusive of initial frequency tolerance, operating temperature range, 20 years aging, Input voltage change, load change, shock and vibration.

<sup>2</sup> For proper operation, a control voltage (V<sub>c</sub>) must be applied to pin 1 on VCTCXOs.

The above specifications, having been carefully prepared and checked, is believed to be accurate at the time of publication; however, no responsibility is assumed by Fox Electronics for inaccuracies.



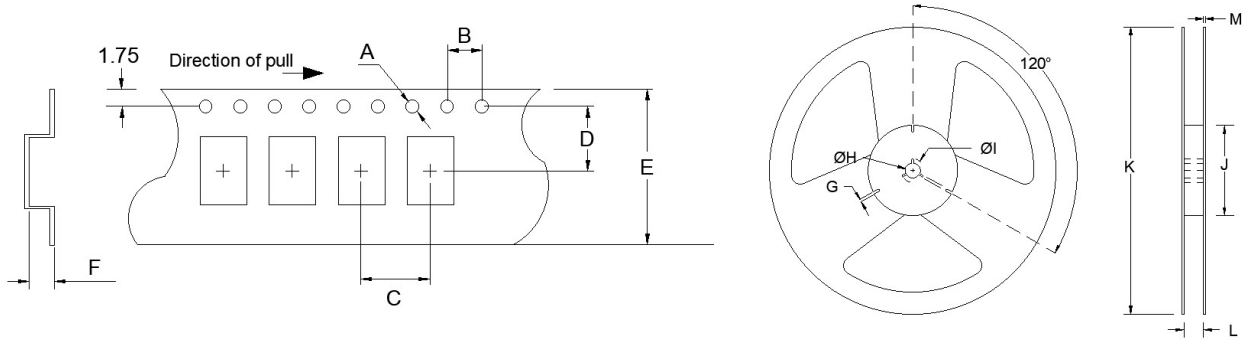
# FT5SV

(Former FOX321E)

5.0mm x 3.2mm  
SMD Stratum III HCMOS VCTCXO **FOX**



TAPE SPECIFICATIONS (mm)							REEL SPECIFICATIONS (mm)						
A	B	C	D	E	F	REEL QTY	G	H	I	J	K	L	M
ø1.5	4.0	8.0	5.5	12.0	1.7	-T1 = 1,000	2.0	ø13	ø21	ø80	ø180	13.5	2.0



## Available Options & Part Identification for VCTCXO Model T5SV<sup>1</sup>

Sample PN: **FT5SVBKF25.0-T1**

F	T5SV	B	K	F	25.0	-T1
<b>Fox</b>	<b>Model Number</b> T5SV = VCTCXO	<b>Voltage</b> B = +3.3V±5%	<b>Stability</b> G = ±100 PPB K = ±0.28 PPM	<b>Operating Temperature</b> F = -20 to +70°C M = -40 to +85°C	<b>Frequency (MHz)</b>	<b>Values Added Options</b> Blank = Bulk T1 = 1,000 pcs

### Reliability Test Conditions

Please contact Abracon Quality Assurance department