

## Features

- Digital Temperature Compensation

STANDARD SPECIFICATIONS	
PARAMETERS	MAX (Unless otherwise noted)
Frequency Range (MHz)	8.000 ~ 40.000
Temperature Range	
Operating (T <sub>OPR</sub> )	See table below
Storage (T <sub>STG</sub> )	-40°C ~ +85°C
Supply Voltage (V <sub>DD</sub> ) (±5%)	+3.0V±5%
Input Current (I <sub>DD</sub> )	2.0 mA
Initial Frequency Tolerance @ 25°C (after reflow) (T5CV: V <sub>c</sub> = 1.65V) <sup>1</sup>	±2.0 PPM
Frequency Stability	
Over Temperature Range	See table below
Over Supply Voltage Change (3.0V±5%)	±0.2 PPM
Over Load Change [10kΩ//10pF]±10%	±0.2 PPM
Output Voltage Level	0.8V <sub>p-p</sub> min
Output Load	[10kΩ//10pF]±10%
Pullability (V <sub>c</sub> = 1.65V ±1.0V) <sup>1</sup>	±3 ~ ±20 PPM min
Aging per year	±1.0 PPM
Startup Time (T <sub>s</sub> )	2.0 mS Max
Phase Noise @ 1kHz offset	-130 dBc/Hz Typical
Reflow Soldering Temp	260°C / 10 Seconds x 2
Moisture Sensitivity Level (MSL)	1
Termination Finish	Au over Ni
Lead-Free	Yes
RoHS/REACH Compliant	Yes

DIMENSIONS / MECHANICAL SPECIFICATIONS	
<p><b>Top View</b></p>	<p><b>1.5 Max</b></p>
<p><b>Bottom View</b></p>	
<p><b>Recommended Solder Pad Layout</b></p> <p>Dimensions in mm</p>	
<p><b>Pin Connections</b></p> <p>#1 V<sub>c</sub> #3 Output #2 GND #4 V<sub>DD</sub></p>	

\*Dimensional drawing is for reference to critical specifications defined by size measurements. Certain non-critical visual attributes, such as side

Available Options by Stability & Operating Temp				
Operating Temperature	±1 PPM	±1.5 PPM	±2 PPM	±2.5 PPM
-30 ~+85°C	O	O	O	O
-40 ~+85°C	X	O	O	O

Key: O=Available, X=Not Available

<sup>1</sup>For proper operation, a control voltage (V<sub>c</sub>) must be applied to pin 1 of VCTCXO's. All specifications subject to change without notice.

# FT5CV

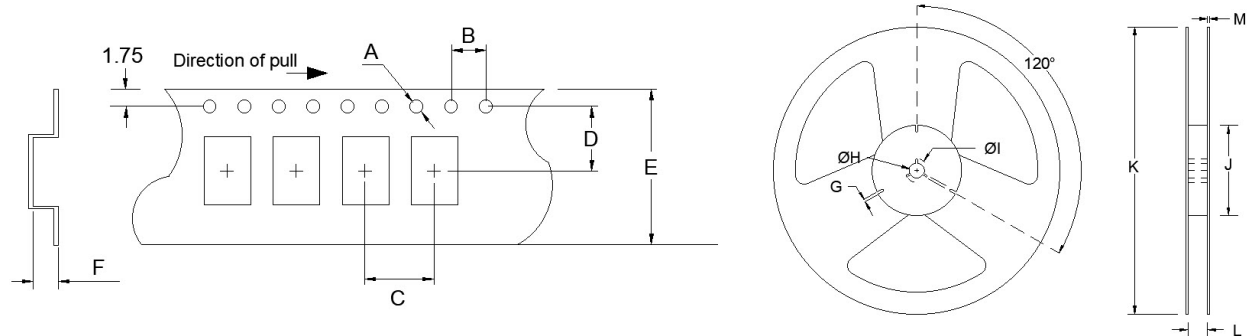
(Former FOX914E)

5.0mm x 3.2mm

CSW VCTCXO



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 T5CV<sup>1</sup>

Sample PN: **FT5CVDPK25.0-T1**

F	T5CV	D	P	K	25.0	-T1
<b>Fox</b>	<b>Model Number</b> T5CV = VCTCXO	<b>Voltage</b> D = +3.0V±5%	<b>Stability</b> T = ±1.0 PPM S = ±1.5 PPM R = ±2.0 PPM P = ±2.5 PPM	<b>Operating Temperature</b> K = -30 to +85°C M = -40 to +85°C	<b>Frequency (MHz)</b>	<b>Values Added Options</b> Blank = Bulk T1 = 1,000 pcs

<sup>1</sup> Not all frequencies in the frequency range, or every combination of stability, temp range, and voltage available. See stabilities/operating temp table.

### Reliability Test Conditions

Please contact Abracon Quality Assurance department

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