

Features

- Analog Temperature Compensation
- Enable/Disable - Standby

STANDARD SPECIFICATIONS	
PARAMETERS	MAX (Unless otherwise noted)
Frequency Range (MHz)	8.0 ~ 52.000
Temperature Range	
Operating (T_{OPR})	See table below
Storage (T_{STG})	-40°C ~ +125°C
Supply Voltage (V_{DD}) ($\pm 5\%$)	1.8V; 2.5V; 2.7V; 2.8V; 3.0V; 3.3V
Input Current (I_{DD})	2mA
Initial Frequency Tolerance @ 25°C (1hr after reflow)	± 2.0 PPM
Frequency Stability	
Over Temperature Range	See table below
Over Supply Voltage Change ($V_{DD}\pm 5\%$)	± 0.2 PPM
Over Load Change (15pF $\pm 10\%$)	± 0.2 PPM
Output Voltage Level	0.8V _{p-p} min
Output Load	[10k Ω /10pF] $\pm 10\%$
Aging per year	± 1.0 PPM
Startup Time (T_S)	2.0 mS
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
Seal Method	Seam
Lead-Free	Yes
RoHS/REACH Compliant	Yes

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	X	O	O

Key: O = Available, X = Not Available

DIMENSIONS / MECHANICAL SPECIFICATIONS	
<p>Top View</p>	
<p>1.0 Max</p>	
<p>Bottom View</p>	
<p>Recommended Solder Pad Layout</p>	
<p><i>Dimensions are in millimeters.</i></p>	
<p>Pin Connections #1 Vc #2 N.C. #3 Gnd #6 Vdd #5 N.C. #4 Out</p>	
<p>*Dimensional drawing is for reference to critical specifications defined by size measurements. Certain non-critical visual attributes, such as side castellations, reference pin shape, etc. may vary *All specifications subject to change without notice.</p>	

Note: A $\geq 1nF$ (10nF recommended) DC-Cut capacitor shall be connected to the output.

FT2CV

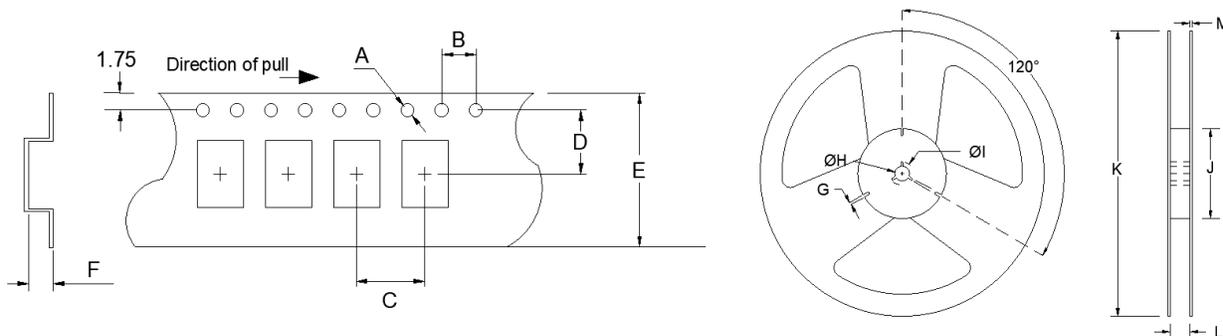
(Former FOX251)

2.5mm x 2.0mm

SCW 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	4.0	3.5	8.0	1.4	-T3 = 3,000 -T2 = 2,000 -T1 = 1,000	2.0	ø13	ø20.2	ø60	ø180	9.0	1.4



Available Options & Part Identification for TCXO Model T2CN¹

Sample PN: **FT2CVBPK26.0-T3**

F	T2CV	B	P	K	26.0	-T3
Fox	Model Number T2CV = VCTCXO	Tolerance B = +3.3V±5% D = +3.0V±5% Q = +2.8V±5% S = +2.7V±5% H = +2.5V±5% K = +1.8V±5%	Stability T = ±1.0 PPM S = ±1.5 PPM R = ±2.0 PPM P = ±2.5 PPM	Operating Temperature K = -30 to +85°C M = -40 to +85°C	Frequency (MHz)	Values Added Options Blank = Bulk T1 = 1,000 pcs T2 = 2,000 pcs T3 = 3,000 pcs

¹ Not all frequencies in the frequency range available.

Reliability Test Conditions

Please contact Abracon Quality Assurance department