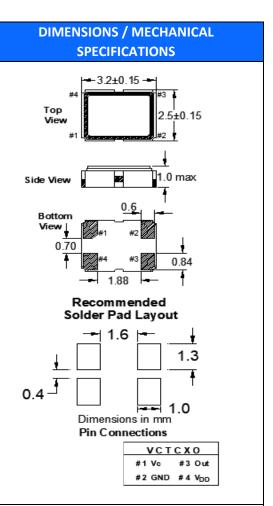
FT3CV (Former FOX923)



Features

Digital Temperature Compensation

STANDARD SPECIFICATIONS						
PARAMETERS	MAX					
	(Unless otherwise noted)					
Frequency Range (MHz)	8.0 ~ 40.000					
Temperature Range						
Operating (T _{OPR})	(See table below)					
Storage (T _{STG})	-40°C ~ +85°C					
Supply Voltage (V _{DD}) (±5%)	2.5V; 2.7V; 2.8V; 3.0V; 3.3V					
Input Current (I _{DD})	2.0 mA					
Initial Frequency Tolerance @ 25°C						
(after reflow) (T3CV: $V_c = 0.5V_{DD}$) ¹	±2.0 PPM					
Frequency Stability						
Over Temperature Range	(See table below)					
Over Supply Voltage Change (V _{DD} ±5%)	±0.3 PPM					
Over Load Change [10kΩ//10pF]+-10%	±0.3 PPM					
Output Voltage Level	0.8V _{p-p} min					
Output Load	[10kΩ//10pF]+-10%					
Pullability						
$(Vc = 0.5VDD \pm 1.0V)^{1}$	±3 ~ ±15 PPM					
Aging per year	±1.0 PPM					
Startup Time (T _s)	3.0 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					
Lead-Free	Yes					
RoHS/REACH Compliant	Yes					



*Dimensional drawing is for reference to critical specifications defined by size measurements. Certain non-critical visual attributes, such as side castellation's, reference pin shape, etc. may vary All specifications subject to change without notice.

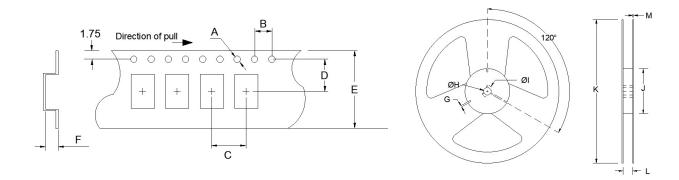
Available Options by Stability & Operating Temp								
±1 PPM	±1.5 PPM	±2 PPM	±2.5 PPM	±15 PPM				
0	0	0	0	NA				
Δ	0	0	0	NA				
Х	Х	Х	Х	0				
	-							

Key: O=Available, X=Not Available, NA=Not Applicable, Δ = Consult Fox Engineering

¹For proper operation, a control voltage (Vc) must be applied to pin 1 of VCTCXO's.



TAPE SPECIFICATIONS (mm)					REEL SPECIFICATIONS (mm)								
Α	В	С	D	E	F	REEL QTY	G	н	I	J	к	L	м
						-T3 = 3,000							
ø1.5	4.0	4.0	3.5	8.0	1.4	-T2 = 2,000	2.0	Ø13	Ø21	Ø60	Ø180	9.0	1.5
						-T1 = 1,000							



Available Options & Part Identification for VCTCXO Model T3CV ¹ Sample PN: <u>FT3CVBPK25.0-T3</u>								
F	T3CV	В	Р	K	25.0	-T3		
Fox	Model	Voltage	Stability	Operating	Frequency	Values Added		
	<u>Number</u>	B = +3.3V±5%	T = ±1.0 PPM	Temperature	<u>(MHz)</u>	Options		
	T3CV = VCTCXO	D = +3.0V±5%	S = ±1.5 PPM	K = -30 to +85°C		Blank = Bulk		
		Q = +2.8V±5%	R = ±2.0 PPM	M = -40 to +85°C		T1 = 1,000 pcs		
		S = +2.7V±5%	P = ±2.5 PPM	P = -40 to +105°C		T2 = 2,000 pcs		
		H = +2.5V±5%	F = ±15 PPM			T3 = 3,000 pcs		

¹ 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	

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

ABRACON:

 FT3CNDPK32.0-T1
 FT3CVDTK20.0-T3
 FT3CNBPM25.0-T1
 FT3CNBPM25.0-T3
 FT3CNDLM24.0-2-T1

 FT3CNDPK32.0-T3
 FT3CVDTK20.0-T1
 FT3CVDTM16.384-T3
 FT3CNDLM24.0-2-T1