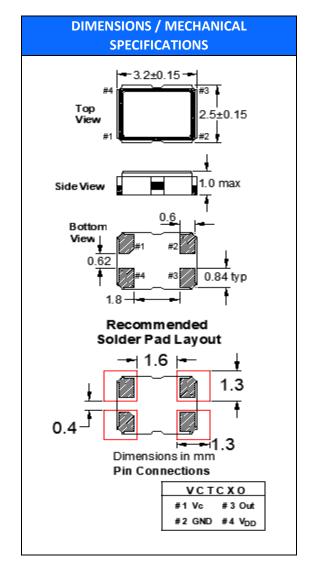
(Former FOX923CEH)



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 (Tstg)	-40°C ~ +90°C						
Supply Voltage (VDD)	+3.3 V _{DC} ±5%						
Input Current (IDD)	6.0 mA						
Initial Frequency Tolerance @ 25°C							
(after reflow) $(T3HV: V_c = 1.66V)^1$	±2.0 PPM						
Frequency Stability							
Over Temperature Range	See table below						
Over Supply Voltage Change (3.3V±5%)	±0.3 PPM						
Over Load Change (15pF ±5%)	±0.3 PPM						
Rise Time (10% ~90% V _{DD})	5nS						
Fall Time (90% ~10% V _{DD})	5nS						
Symmetry (50% V _{DD})	40% ~ 60%						
Output Voltage (Vol)	10% V _{DD}						
(V _{OH})	90%V _{DD} Min						
Output Load (C _L)	15pF						
Pullability							
$(T3HV: V_c = 1.65V \pm 1.0V)^1$	±3 ~ ±15 PPM						
Aging per year	±1.0 PPM						
Startup Time (Ts)	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						



Available Options by Stability & Operating Temp							
Operating Temperature	±1 PPM	±1.5 PPM	±2 PPM	±2.5 PPM	±15 PPM		
-30 ~+85°C	0	0	0	0	NA		
-40 ~+85°C	Δ	0	0	0	NA		
-40 ~+105°C	X	X	X	Х	0		
Key: O=Available, X=Not Available, NA=Not Applicable, Δ = Consult Fox Engineering							

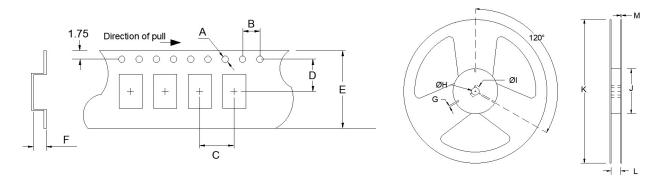
¹For proper operation, a control voltage (Vc) must be applied to pin 1 of VCTCXO's. All specifications subject to change without notice.



3.2mm x 2.5mm HCMOS VCTCXO



TAPE SPECIFICATIONS (mm)					RE	EL SPE	CIFICAT	IONS (m	m)				
Α	В	С	D	E	F	REEL QTY	G	Н	1	J	К	L	М
						-T3 = 3,000 default							
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 T3HV ¹ Sample PN: <u>FT3HVBPK25.0-T3</u>									
F	T3HV	В	P	K	25.0	-T3			
<u>Fox</u>	Model Number T3HV = VCTCXO	Tolerance B = +3.3V±5%	Stability T = ±1.0 PPM S = ±1.5 PPM R = ±2.0 PPM P = ±2.5 PPM F = ±15 PPM	Operating Temperature K = -30 to +85°C M = -40 to +85°C P = -40 to +105°C	<u>Frequency</u> (MHz)	Values Added			

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