

3.3V Ultra Miniature SMD HCMOS TCXO/VCTCXO



Model: FOX924 SERIES

RoHS Compliant / Pb Free

Rev. 5/8/2007

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FEATURES

- 3.3V Operation
- 1.5mm Height Max
- HCMOS Output
- Low Cost
- Tape and Reel (2,000 pcs. STD)

OPTIONS

- Voltage Control (FOX924E)

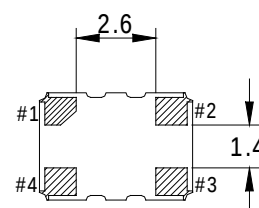
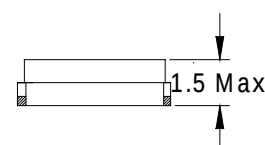
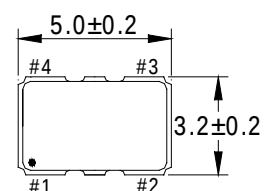
• PART NUMBER SELECTION

Part Number	Model Number	Frequency Stability	Operating Temperature(°C)	Frequency Range (MHz)
718-Frequency-xxxxx	FOX924B	See table	-30 ~ +85	10.000~30.000
719-Frequency-xxxxx	FOX924E	See table	-30 ~ +85	10.000~30.000

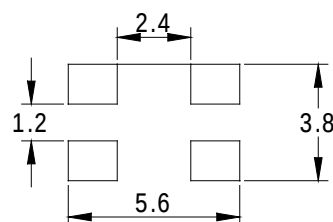
• ELECTRICAL CHARACTERISTICS

PARAMETERS	MAX (unless otherwise noted)
Frequency Range (Fo)	10.000 ~ 30.000 MHz
Temperature Range	
Operating (T _{OPR})	-30°C ~ +85°C
Storage (T _{STG})	-40°C ~ +85°C
Supply Voltage (V _{DD})	3.3V ± 5%
Input Current (I _{DD})	6.0mA
Initial Frequency Tolerance @ 25°C (after 2 reflows)	±1.5PPM
Frequency Stability	
Over Temperature Range	±2.5PPM
Over Supply Voltage Change (3.3V ± 5%)	±0.3PPM
Output Voltage (HCMOS) (V _{OL})	0.5V
(V _{OH})	80% V _{DD} Min
Output Load	15pF
Aging per year	±1.0PPM
Startup Time (T _s)	5mS Max
Pullability (V _c = 1.65 ± 1.5V)	±5.0 ~ ±15.0 PPM

All specifications subject to change without notice.



Recommended Solder Pad Layout



Pin Connections

FOX924B		FOX924E	
#1 NC	#3 Output	#1 V _c	#3 Output
#2 GND	#4 V _{cc}	#2 GND	#4 V _{cc}

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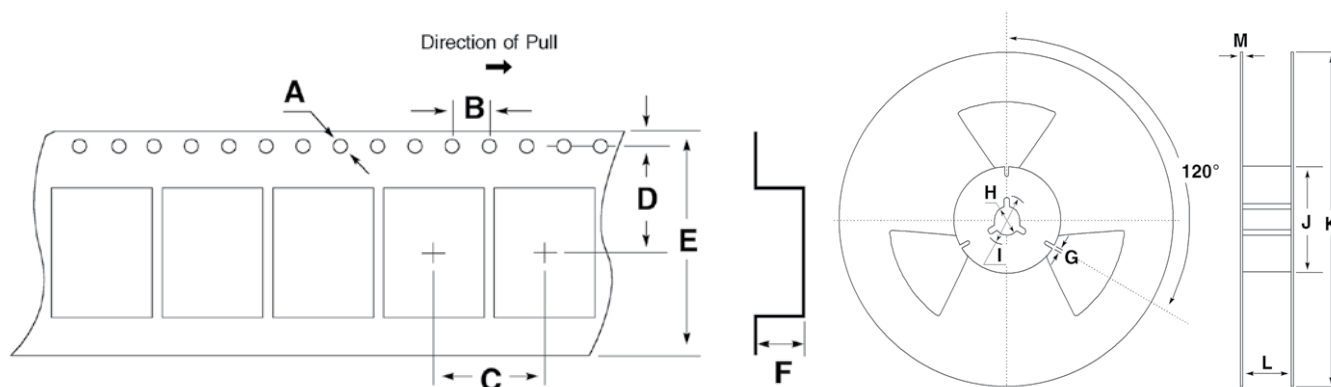
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• TAPE SPECIFICATIONS (millimeters)							
MODEL	A	B	C	D	E	F	STD Reel QTY
FOX924	Ø1.5	4.0	8.0	5.5	12.0	1.7	2,000

• REEL SPECIFICATIONS (millimeters)							
MODEL	G	H	I	J	K	L	M
FOX924	2.0	Ø13	Ø21	Ø80	Ø254	13.5	2.0



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