

3.3V, Low Profile SMD VCXO



Model: FVS25AXT Series

RoHS Compliant / Pb Free

Rev. 10/19/2010

Page 1 of 1

http://www.foxonline.com/need_a_sample.htm

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Sample®

FEATURES

- 3.3V Operation
- HCMOS Output
- Enable/Disable
- Tape and Reel (2,000 pcs. STD)

XpressO® Equivalent
FVXO-HC53

Why XpressO?
Lower Cost, Faster Delivery, Low Jitter!

• PART NUMBER SELECTION [Learn More](#) - Internet Required

Part Number	Model Number	Frequency Stability	Operating Temperature (°C)	Frequency Range (MHz)
622-Frequency-xxxxx	FVS25AXT	±50 PPM ¹	-10 ~ +70	2.000 ~ 54.000

• ELECTRICAL CHARACTERISTICS

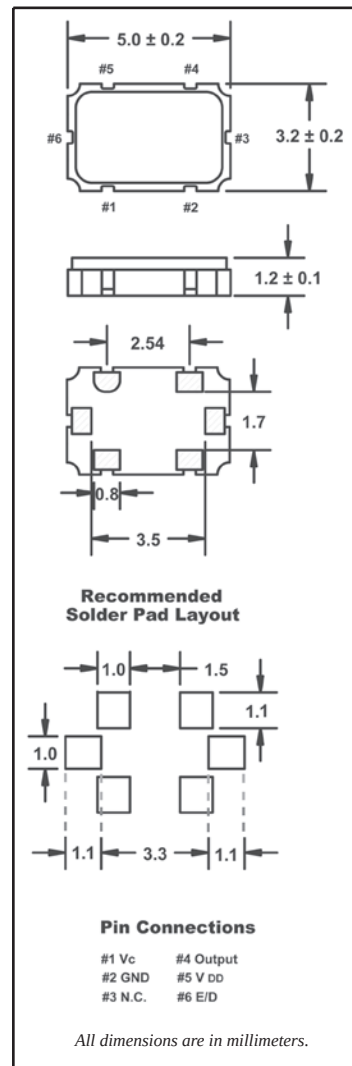
PARAMETERS	MAX (unless otherwise noted)
Frequency Range (Fo)	2.000 ~ 54.000 MHz
Temperature Range	
Operating (T _{OPR})	-10°C ~ +70°C
Storage (T _{STG})	-40°C ~ +85°C
Frequency Stability	±50PPM ¹
Pullability	±100PPM Min
Supply Voltage (V _{DD})	3.3V ± 5%
Control Voltage (V _c)	1.65V ± 1.5V
Input Current (I _{DD})	
2.000 ~ 30.000 MHz	15mA
30.000+ ~ 54.000 MHz	25mA
Output Symmetry (50% V _{DD})	40% ~ 60%
Rise Time (20% ~ 80% V _{DD}) (T _r)	5nS
Fall Time (80% ~ 20% V _{DD}) (T _f)	5nS
Output Voltage (V _{OL})	10% V _{DD}
(V _{OH})	90% V _{DD} Min
Output Current (I _{OL})	4.0mA Min
(I _{OH})	-1.0mA Min
Output Load (HCMOS)	15pF
Start-up Time (T _s)	10mS
Enable/Disable Time ²	150nS
Frequency Linearity	±10%
Modulation Bandwidth	20 kHz

¹ Inclusive of 25°C tolerance, operating temperature range, input voltage change, load change, aging, shock, vibration, and V_c = 1.65V.

² An internal pullup resistor from pin 6 to pin 5 allows active output if pin 6 is left open.

Note: A 0.01μF bypass capacitor should be placed between V_{DD} (Pin 5) and GND (Pin 2) to minimize power supply line noise.

All specifications subject to change without notice.



• ENABLE / DISABLE FUNCTION

INH (Pin 6)	OUTPUT (Pin 4)
OPEN ²	ACTIVE
'1' Level V _{IH} ≥ 70% V _{DD}	ACTIVE
'0' Level V _{IL} ≤ 30% V _{DD}	High Z