

# 3.0V, LOW PROFILE, SMD VCTCXO



Model: FOX312BE

RoHS Compliant / Pb Free

Rev. 6/10/2009

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## FEATURES

- 3.0V Operation
- 2.0mm Height Max
- Clipped Sine Output
- Tape and Reel (1,000 pcs. STD)

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

Part Number	Model Number	Frequency Stability	Operating Temperature (°C)	Frequency Range (MHz)
420-Frequency-xxxxx	FOX312BE	see table	-20 ~ +75	12.600 ~ 26.000

### • ELECTRICAL CHARACTERISTICS

PARAMETERS	MAX (unless otherwise noted)
Frequency Range (Fo)	12.600 ~ 26.000 MHz
Temperature Range	
Operating (TOPR)	-20°C ~ +75°C
Storage (TSTG)	-40°C ~ +85°C
Supply Voltage <sup>3</sup> (VDD)	3.0V ± 5%
Input Current (IDD)	2.0mA
Frequency Stability <sup>2</sup>	
Over Temperature Range	±2.5PPM
Over Supply Voltage Change (3.0V ± 5%)	±0.1PPM
Over Load Change (10KΩ±10% // 10pF±10%)	±0.3PPM
Initial Frequency Tolerance @ 25°C Vc = 1.5V <sup>1</sup>	±0.5PPM
Output Waveform (Clipped Sine)	
Peak-to-Peak Level (Vp-p)	0.8V Min
Output Load	10KΩ // 10pF ±10%
Pullability <sup>1</sup> (1.5V ± 1.0V)	±5.0 ~ ±15.0PPM
Aging per year	±1.0PPM

<sup>1</sup> For proper operation, a control voltage (Vc) must be applied to pin 1.

<sup>2</sup> Other stabilities/temperature ranges available.

<sup>3</sup> Other voltages available.

All specifications subject to change without notice.

