

# EURO Package Precision OCXO



Model: FTE5\_AHLF Series

RoHS Compliant

Rev. 2/25/2009

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[http://www.foxonline.com/need\\_a\\_sample.htm](http://www.foxonline.com/need_a_sample.htm)

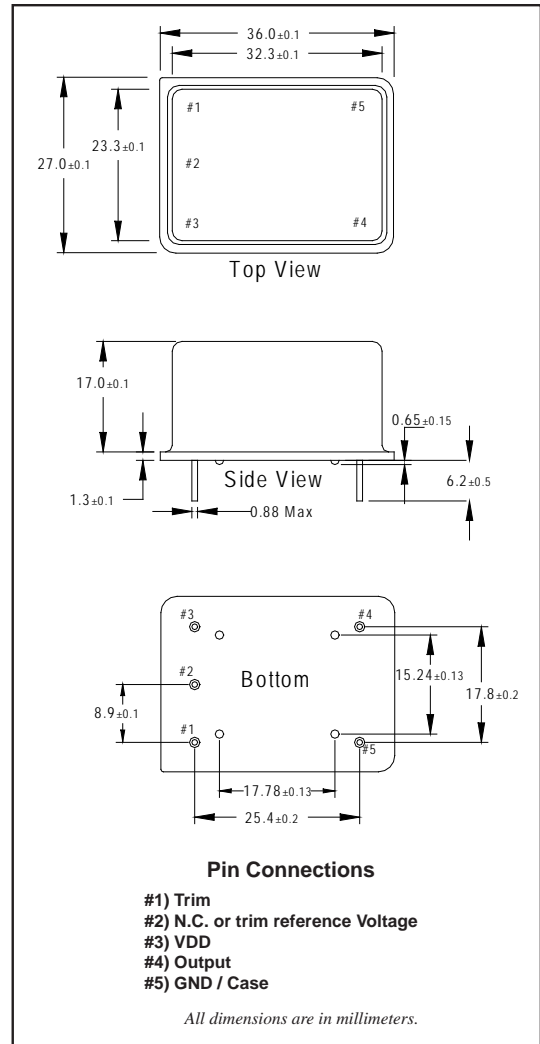


## FEATURES

- 5.0V Operation
- 12V Available
- HCMOS Output
- SC Cut Resonators
- EURO Package

• PART NUMBER SELECTION <a href="#">Learn More</a> - Internet Required				
Part Number	Model Number	Frequency Stability vs. Temp	Operating Temperature	Frequency Range (MHz)
693LF-Frequency-xxxxx	FTE501AHLF	±7 PPB	0 ~ +70°C	5.000 ~ 50.000
694LF-Frequency-xxxxx	FTE502AHLF	±10 PPB	-20 ~ +70°C	5.000 ~ 50.000
695LF-Frequency-xxxxx	FTE503AHLF	±15 PPB	-40 ~ +75°C	5.000 ~ 50.000

• ELECTRICAL CHARACTERISTICS	
PARAMETERS	MAX (unless otherwise noted)
Frequency Range (Fo)	5.000 ~ 50.000 MHz
Supply Voltage	+5 VDC ± 5%
Power (Warm-Up for 3 minutes)	3 Watts
Power Stabilized at +25°C (Still air)	0.8 Watts Typical
Stability Vs. Voltage (± 5% Change)	±2 PPB
Short Term Aging (3 weeks min operation)	± 0.5 PPB / Day
Long Term Aging (After 60 days operation)	± 50 PPB / Year
Allan Variance (1 sec)	10 <sup>-11</sup> / Sec
Phase Noise (Offset)	(Typical @ 10 MHz)
10 Hz	-120 dBc
100 Hz	-140 dBc
1 KHz	-155 dBc
10 KHz	-158 dBc
Warm-Up to within ± 100 PPB (Referenced to freq after 1/2 hour power on)	3 minutes
Frequency Adjust (0 to +5 VDC)	± 0.5 PPM Min.
Slope	Positive
Non-Linearity (0.8V-5.0V)	± 10%
Input Impedance	> 100 K Min
Output	HCMOS
VOL	10% VDD
VOH	90% VDD Min
T-rise (10% ~ 90% VDD)	5 nS
T-fall (90% ~ 10% VDD)	5 nS
Duty Cycle @ 50% VDD	50% ± 5%
Resonator Type	SC Cut
Termination Finish	Sn/Ag/Cu



Note: Other frequencies and performance are available.  
 All specifications subject to change without notice.  
 Contact Fox Custom Products Center (CPC) for details at 877-369-8041 or email at <http://www.foxonline.com/email.htm>