

# STRATUM III Half Size OCXO



Model: FHS501AHLF

RoHS Compliant

Rev. 2/25/2009

Page 1 of 1

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## FEATURES

- 8-Pin DIP
- 5.0V Operation
- HCMOS Output

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

Part Number	Model Number	Frequency Stability	Operating Temperature	Frequency Range (MHz)
802LF-Frequency-xxxxx	FHS501AHLF	±4.6 PPM	0 ~ +70 (°C)	5.000 ~ 80.000

## • ELECTRICAL CHARACTERISTICS

PARAMETERS	MAX (unless otherwise noted)
Frequency Range (Fo)	5.000 ~ 80.000 MHz
Temperature Range	
Operating (TOPR)	see above table
Storage (TSTG)	-40°C ~ +85°C
Supply Voltage	+5.0VDC ±5%
Output Type	HCMOS
Output Load (CL)	15pF
Output Voltage (VOL)	0.5V
(VOH)	4.5V Min
Pulability (Referenced to Fo)	±4.0 PPM Min
Control Voltage (Vc)	0.5V ~ 5.0V
Frequency Stability	
All effects for 10 years	±4.6 PPM
Vs. Temp, (ref @ 25° C)	±250 PPB
Vs. VDD Change	±100 PPB
Holdover Aging (24 hours)	±20 PPB
Holdover Stability	±370 PPB
Load Stability	±10 PPB
Long Term Aging 1 <sup>st</sup> year	±0.75 PPM
Aging 10 years	±4.2 PPM
Warm-up	
(to within ±1PPM relative to 30 minute reading)	2 Minutes
Warm-up Power	1 Watt
Operating Power	0.5W @ 25°C
Phase Noise (@ 100Hz, 10KHz)	-115, -140 dBc/Hz
Termination Finish	Sn/Ag/Cu

All specifications subject to change without notice.

