STRATUM III 14-PIN DIP OVEN CONTROLLED CRYSTAL OSCILLATOR
MODEL: FTS501AH

FEATURES

- Meets Stratum III
- 5.0V Operation
- HCMOS Output
- 14-Pin DIP

Quote it!

• PART NUMBER SELECTION

Learn More - Internet Required

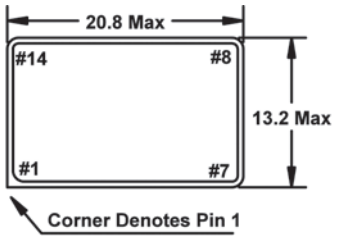
Part Number	Model Number	Frequency Stability	Operating Temperature (ºC)	Frequency Range (MHz)
570-Frequency-xxxxx	**FTS501AH**	±4.6 PPM	0 ~ +70	10.000 ~ 40.000

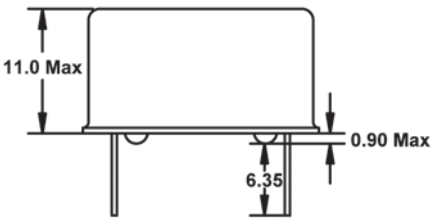
Learn more about:
Part Marking Identification
Internet required

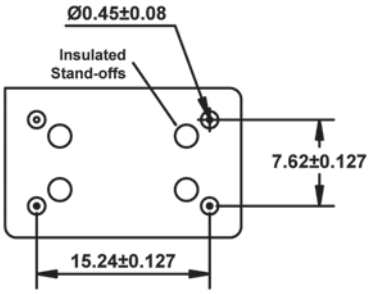
• ELECTRICAL CHARACTERISTICS

PARAMETERS	MAX (unless otherwise noted)
Frequency Range (Fo)	10.000 ~ 40.000 MHz
Temperature Range	
Operating (Topr)	0ºC ~ +70ºC
Storage (Tstg)	-40ºC ~ +85ºC
Supply Voltage	5V ±0.2V [1]
Output Type	HCMOS
Pullability	4 PPM Min
Control Voltage	0.5V ~ 5.0V
Frequency Stabilities	±4.6 PPM All effects for 10 years
Frequency vs. Temperature	±250 PPB
Frequency vs. Voltage	±100 PPB
Holdover Aging (24 hours)	±20 PPB
Holdover Stability	±370 PPB
Load Stability	±10 PPB
Long Term Aging 1st Year	±0.75 PPM
Aging 10 Years	±4.2 PPM
Warm-up to within ±4.6 PPM	2 Minutes
Warm-up Power	< 1.5 Watts
Operating Power (Typical)	1.0W ~ 0ºC, 0.6W @ +25ºC
Phase Noise	-115 dBc/Hz @ 100 Hz -140 dBc/Hz @ 10 kHz

All specifications subject to change without notice. *Rev. 6/1/04*







Pin Connections

#1 Vc	#8 Output
#7 GND	#14 V_{DD}

All dimensions are in millimeters.

• DEVELOPED FREQUENCIES

2.430 MHz	5.120 MHz	11.000 MHz	24.704 MHz
2.500 MHz	5.500 MHz	12.352 MHz	26.000 MHz
2.560 MHz	6.176 MHz	13.000 MHz	30.000 MHz
3.088 MHz	6.500 MHz	15.000 MHz	32.000 MHz
3.250 MHz	7.500 MHz	16.000 MHz	32.768 MHz
3.750 MHz	8.000 MHz	16.384 MHz	38.880 MHz
4.000 MHz	8.192 MHz	19.440 MHz	40.000 MHz
4.096 MHz	9.720 MHz	20.000 MHz	40.960 MHz
4.860 MHz	10. 000 MHz	20.480 MHz	44.000 MHz
5.000 MHz	10.240 MHz	22.000 MHz	

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