EXTREME ENVIRONMENT

SMD HIGH-TEMPERATURE CRYSTAL OSCILLATORS

FMOCHT5SSERIES

Extreme Temperature Crystal Oscillators

CERAMIC SMD 5x7



- 16 kHz to 100 MHz
- +1.2 Volts and Above
- High-Shock & Vibration
- -100°C to +300°C
- Extended Operating Life

SPECIFICATIONS

Parameter	Specification	
Frequency Range	16.00 kHz to 100.00 MHz	
Operating Temperature Range	From -100°C to +300°C, Customer Specified _/1	
Overall Frequency Tolerance vs. Temperature	typical: ±100ppm, ±150ppm, ±175ppm, and ±250ppm	
	<i>example</i> : ±200ppm; -40°C to +200°C	
Customer Specified & Temperature Range Dependent-	<i>example</i> : ±250ppm; -40°C to +230°C	
(please inquire, call the factory)	<i>example</i> : ±60ppm; 0°C to +200°C	
Storage Temperature	standard: 100°C to +235°C (+300°C optional)	
Supply Voltage	+1.2V, 1.8V, 2.5V, 3.3V, 5V (all ± 10%)	
	Inquire about lower voltage options.	
Supply Current	See table below (inquire on extreme low-power)	
Rise and Fall Time (voltage, load & freq. dependent)	1~10 nsec	
Start-up Time	10 ms max. < 5 ms typical	
Output	CMOS, (SOI Option for up to +300°C)	
Output Enable Options	Enabled on Logic "1" (available for	
· ·	temperatures up to +230°C)	
Screening / Testing Available	per MIL-PRF-55310	

Established and Guaranteed Long-Term Operating Life at the Extreme High-Temperature FMI continuously performs Life Test on high temperature products.



CERAMIC SMD





Side View



Bottom View



Land Pattern

Inches Dimensions: (mm)

Inquire about the life test relevant to your specific application. SUPPLY CURRENT (mA) Frequency *32.768 kHz 5 MHz 16 MHz 24 MHz 40 MHz Voltage std** std std** std** std** +2.5V 0.01 0.25 0.6 0.8 1.1 +3.3V 0.02 0.45 0.8 1.1 1.5 +5.0V 1.1 0.75 1.4 1.9 2.5

*Contact the factory for

lower power requirements.

*Real Time Clock Stability: ±60ppm 0 to +200°C (0.2mA @ +2.5V) Available

Jura-iow-power,	
real-time-clocks,	
now available with	
even lower current	
than specified	
herein,	
Please Inquire	

PIN FUNCTION TABL

Pad	Function	
1	NC or Tri-state	
2	Ground (Case)	
3	Output	
4	Supply Voltage	(Vcc)





'GULLWING" FORM

All specifications subject to change without notice

PLEASE CONTACT US FOR PART NUMBERS, HOW TO ORDER, ADDITIONAL PRODUCT SPECIFICATIONS & OR YOUR CUSTOM REQUIREMENTS



1-714-373-8100 1-800-800-XTAL [9825] www.frequencymanagement.com

PACKAGE OPTIONS

- 4 Pad • 6 Pad
- 4 Pad with Gullwing Leads
- also available: Straight Lead, J-Lead and Flat J-Lead; inquire

