

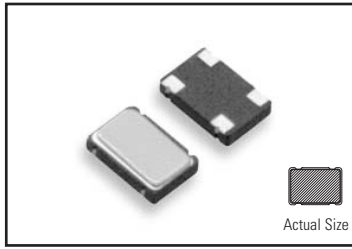
EXTREME ENVIRONMENT

SMD HIGH-TEMPERATURE CRYSTAL OSCILLATORS

FMOCHT5S^{SERIES}

Extreme Temperature
Crystal Oscillators

CERAMIC SMD 5x7



- 30 kHz to 80 MHz
- 2.5 to 6 Volts
- High-Shock & Vibration
- -70°C to +210°C

SPECIFICATIONS

07 | issue7 | 022007

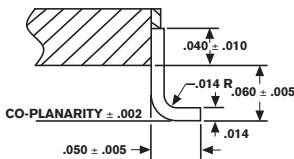
Parameter	Specification
Frequency Range	30.00 kHz to 80.00 MHz
Operating Temperature Range	-70°C to +210°C, Customer Specified
Overall Frequency Tolerance vs. Temperature	typical: ±100ppm, ±150ppm, ±175ppm, and ±250ppm
Customer Specified & Temperature Range Dependent	example: ±250ppm; -40°C to +200°C example: ±100ppm; 0°C to +200°C
Storage Temperature	-70°C to +235°C
Supply Voltage	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)	3~10 nsec
Start-up Time	10 ms max. < 5 ms typical
Output	CMOS, (SOI Option, please inquire)
Output Enable Options	Enabled on Logic "1" (available for temperatures up to +210°C)
Screening & Testing to MIL-PRF-55310	Available

All specifications subject to change without notice.

FMI continuously performs life test on high temperature products. Inquire about the life test relevant to your specific application.

PACKAGE OPTIONS

- 4 Pad
- 6 Pad
- 4 Pad with Gullwing Leads



JEDEC TYPE MO-111
"GULLWING" FORM

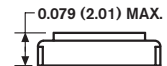
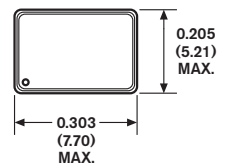
SUPPLY CURRENT

Voltage	Frequency					
	32.768 kHz		16 MHz		24 MHz	
	standard	std	low power	std	low power	
2.5V	0.25	2.5	0.6	4.5	0.8	
3.3V	0.45	4.0	0.85	6.0	1.1	
5.0V	1.1	8.0	1.4	11.0	1.9	

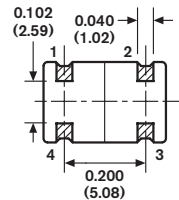
PIN FUNCTION TABLE

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

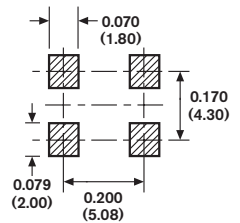
CERAMIC SMD



Side View



Bottom View



Recommended Land Pattern

Dimensions: $\frac{\text{Inches}}{\text{mm}}$

PLEASE CONTACT US FOR ADDITIONAL PRODUCT SPECIFICATIONS & OR YOUR CUSTOM REQUIREMENTS