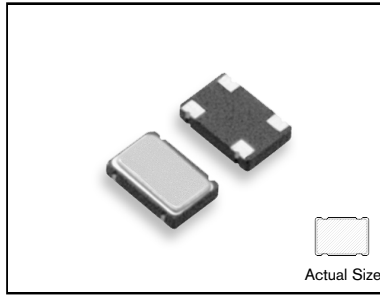


# FMOC2S SERIES

2.5 Vdc Clock Oscillators

**CERAMIC SMD 5x7**



- Miniature, Low Profile
- 2.5 Vdc Supply Voltage
- HCMOS/TTL Compatible
- Low Current Consumption



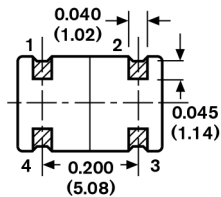
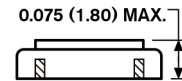
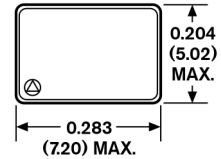
## SPECIFICATIONS

Issue 4 - 01092013

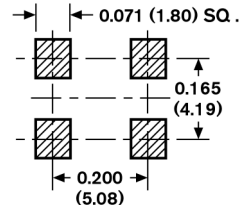
Parameter	Specification
Frequency Range	1 to 125 MHz
Overall Frequency Tolerance	±25 ppm to ±100 ppm (Inclusive of Operating Temp., Supply Voltage, & Load)
Operating Temperature Range	0 to +70°C Std., -40 to +85°C Avail. (See Spec. Option E)
Storage Temperature	-55 to +125°C
Supply Voltage (Vdd)	+2.5 Vdc (±0.3 Vdc)
Supply Current (Icc)	15 mA max. @ 1.0 to 23.9 MHz 25 mA max. @ 24.0 to 49.9 MHz 30 mA max. @ 50.0 to 70.0 MHz 70 mA max. @ 71.0 to 125.0 MHz
Symmetry (Duty Cycle)	40/60% Std., 45/55% Avail. (See Spec. Option S)
Output "0" Level (VOL)	10% of Vdd max.
Output "1" Level (VOH)	90% of Vdd min.
Rise and Fall Time	3 ns max. < 5 ns typical
Jitter	Absolute: ±100 pSec Max One Sigma: ±25 pSec Max
Start Time	10 ms max. < 5 ms typical
Output Load	2 TTL / 15 pF HCMOS
Pin 1 Options (See Spec. Option T below)	No Connect (Std.) Tri-State (option T) VIH: 2.2 V or Open Enables Output VIL: 0.8 V Disables Output Output Disable/Enable Time: 100 nS max.
Aging @ 25°C	±5ppm max first year

All specifications subject to change without notice.

### CERAMIC SMD



### Bottom View



### Recommended Land Pattern

### STANDARD MARKING

XXX.XXXM  
XXXXXXX  
• FMI YYWW

XXX.XXXM FREQUENCY in MHz  
XXXXXXX Part Number  
Pin 1 Symbol, FMI, Date Code

### PIN FUNCTION TABLE

Pin	Function
1	NC or Tri-State
2	Case Ground
3	Output
4	Supply Voltage (Vdd)

Standard Specifications for product indicated in **color**

Dimensions: Inches  
(mm)

## PART DESCRIPTION SYSTEM

