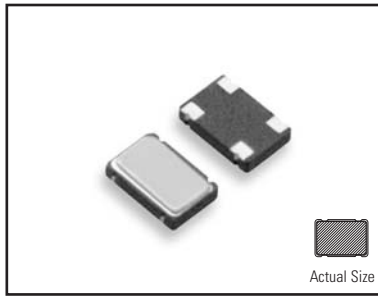


# FMOC2S SERIES

2.5 Vdc Clock Oscillators

**CERAMIC SMD 5x7**

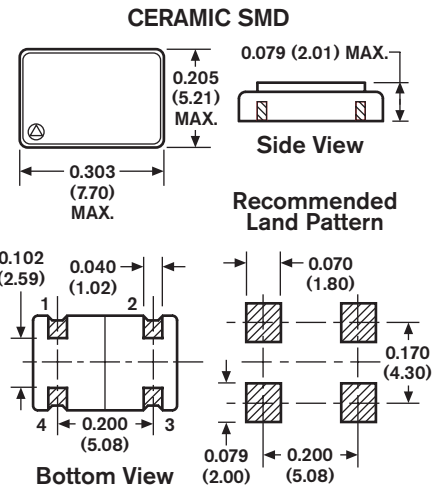


- Miniature, Low Profile
- 2.5 Vdc Supply Voltage
- HCMOS/TTL Compatible
- Low Current Consumption

## SPECIFICATIONS

05 | Issue 1 | 081005

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)	0.4 Vdc max. (TTL) 0.4 Vdc max. (HCMOS)
Output "1" Level (VOH)	2.4 Vdc min. (TTL) 2.7 Vdc min. (HCMOS)
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



### PIN FUNCTION TABLE

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

All specifications subject to change without notice.

## NOTE: Waveforms & Test Circuits on pages 48, 49

Standard Specifications for product indicated in **color**

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

## PART NUMBERING SYSTEM

MARKING: See Page 57, Format M

