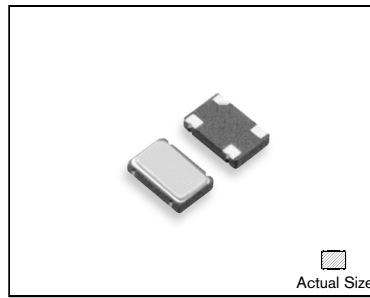


Prelim

# FMOC2S2 SERIES

2.5 Vdc Clock Oscillators

## CERAMIC SMD 2.5x3.2



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

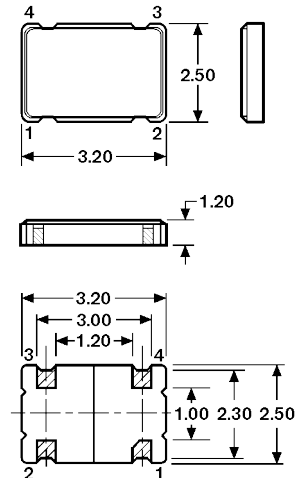
### SPECIFICATIONS

08 - Issue 2 - 091508

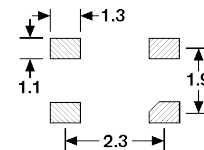


Parameter	Specification
Frequency Range	1 to 48 MHz
Overall Frequency Tolerance	±25 ppm to ±100 ppm (Inclusive of Operating Temp., Supply Voltage, & Load)
Operating Temperature Range	0 to +70°C Std., -40 to +85°C Avail. (See Spec. Option E)
Storage Temperature	-55 to +125°C
Supply Voltage (Vdd)	+2.5 Vdc (±0.3 Vdc)
Supply Current (Icc)	16 mA max. @ 1 to 33.333 MHz 25 mA max. @ 33.334 to 48.000 MHz
Phase Jitter	12 kHz to 20 MHz < 1.0 ps RMS
Symmetry (Duty Cycle)	40/60% Std.
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	10 ns max. < 5 ns typical
Start Time	10 ms max. < 5 ms typical
Output Load	2 TTL / 15 to 50 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

#### CERAMIC SMD



#### Recommended Land Pattern



All specifications subject to change without notice.

#### STANDARD MARKING

XXX.XXXM

XXX.XXXM FREQUENCY in MHz

#### 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: millimeters

### PART DESCRIPTION SYSTEM

**FMOC2S2 00 A T - XX.XXXXXXM - CM**

