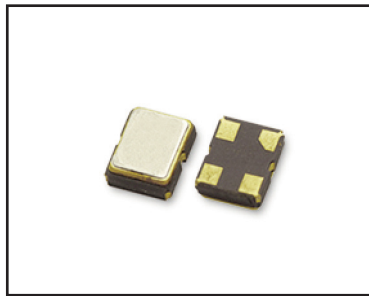


# FMOCXS20 SERIES

1.8, 2.5, 3.3 Vdc Clock Oscillators

**CERAMIC SMD 2.5x2.0**



- Ultra Mini, Low Profile
- 1.8 : 3.3 Vdc Supply Voltages
- HCMOS/TTL Compatible
- Low Current Consumption

## SPECIFICATIONS



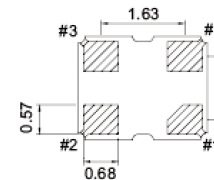
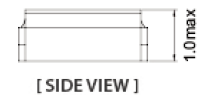
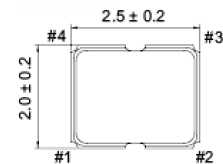
Issue 1 - 06082012

Parameter	Specification
Frequency Range	1 to 50 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)	+1.8V ±10%, +2.5V ±10%, or +3.3 ±10%
Supply Current (Icc)	15mA max @ +3.3V, 10mA max @ +2.5mA, and 7mA max @ 1.8V
Symmetry (Duty Cycle)	45/55% Standard
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	±3ppm max

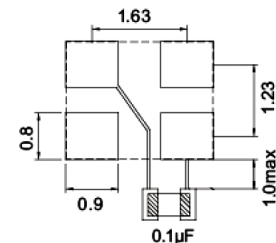
All specifications subject to change without notice.

Note: 3,000 units per reel

### CERAMIC SMD

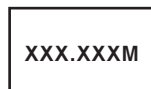


[BOTTOM VIEW]



[LAND PATTERN]

### STANDARD MARKING



XXX.XXXM FREQUENCY in MHz

### PAD 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

FMOCXS20 00 A T - XX.XXXXXXM - CM

