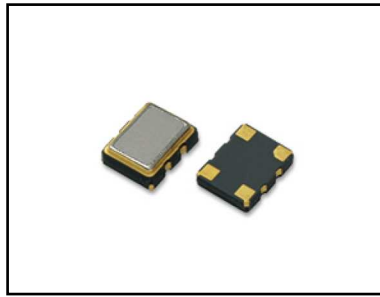


FMVTCXS2 SERIES

3.0, 2.5, 1.8 Vdc VCTCXO

CERAMIC SMD 3.2x2.5



- Ultra-Miniature, Low Profile
- Low Power Consumption
- 3.0, 2.5, 1.8 Supply Voltages
- Clipped Sinewave

SPECIFICATIONS

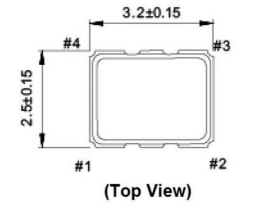
Issue 1 - 06152012



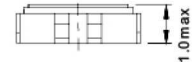
Parameter	Clipped Sinewave Specification
Frequency Range	10 - 52.0 MHz
Frequency Accuracy at +25°C	±2.0 ppm
Frequency Stability vs. Temp	See Table Below
Frequency Stability vs. Input V. (±5% change)	±0.2 ppm max
Frequency Stability vs. Load (±10% change)	±0.2 ppm max
Frequency Stability vs. Aging (first year)	±1.0 ppm max
Control Voltage Range	at 3.0 Volts at 2.5 Volts at 1.8 Volts
	0.5 min to 2.5V max 0.4 min to 2.4V max 0.3 min to 1.5V max
Pulling Range	±5 ppm
VC Impedance	500KΩ
Storage Temperature	-55 to +125°C
Supply Voltage (Vdd)	+3.0V ±5%, +2.5V ±5%, +1.8V ±5%
Supply Current (Icc)	10 MHz to 26 MHz 26 MHz to 52 MHz
	2.0 mA max 2.5 mA max
Symmetry (Duty Cycle)	40/60% Std.
Output Level	Clipped Sine Wave
	0.8 Vp-p
Output Load	10KΩ//10pF
Rise and Fall Time	10 ns max. (5ns typical)
Start-up Time	2 mSec
Phase Noise (typical)	100 Hz 1kHz 10kHz
	-115 dBc/Hz -135 dBc/Hz -148 dBc/Hz

All specifications subject to change without notice.

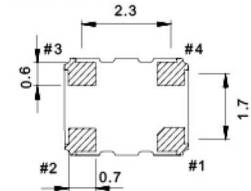
CERAMIC SMD



(Top View)



(Side View)



(Bottom View)

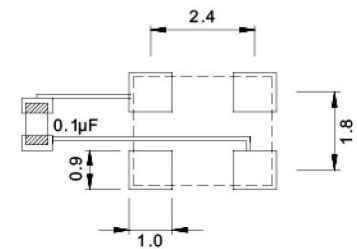
STANDARD MARKING

FMI XX.XXX

XX.XXX FREQUENCY in MHz

PIN FUNCTION TABLE

Pin	Function
1	Voltage Control
2	Ground/Case
3	Output
4	Supply Voltage (Vcc)



(Recommended Land Pattern)

FREQ. STABILITY vs. TEMP AVAILABILITY TABLE

		Frequency Stability (±ppm)					
		0.5	1.0	1.5	2.0	2.5	3.0
Temp. Range	FM Code	005	010	015	020	025	030
0 to 50°C	J	*	*	*	*	*	*
-10 to 60°C	E	*	*	*	*	*	*
0 to 70°C	A	*	*	*	*	*	*
-20 to 70°C	B	*	*	*	*	*	*
-30 to 60°C	F	*	*	*	*	*	*
-30 to 75°C	S	*	*	*	*	*	*
-40 to 85°C	C	*	*	*	*	*	*

* Denotes Availability

Standard Specifications for product indicated in color

PART DESCRIPTION SYSTEM

Dimensions: millimeters

