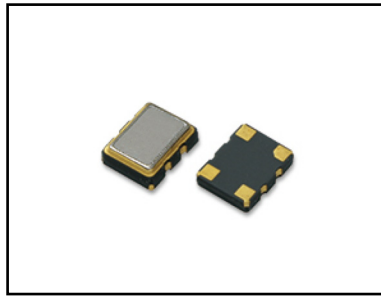


FMVTCXS2 SERIES

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

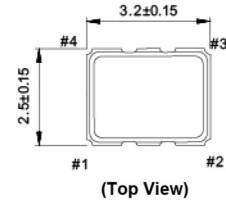
Issue 1 - 06152012



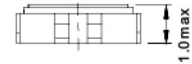
Parameter	Clipped Sinewave Specification
Frequency Range	10 - 52.0 MHz
Frequency Accuracy at +25°C	±2.0 ppm
Frequency Stability vs. Temp	See Table Below
Frequency Stability vs. Input V. (±5% change)	±0.2 ppm max
Frequency Stability vs. Load (±10% change)	±0.2 ppm max
Frequency Stability vs. Aging (first year)	±1.0 ppm max
Control Voltage Range	at 3.0 Volts: 0.5 min to 2.5V max at 2.5 Volts: 0.4 min to 2.4V max at 1.8 Volts: 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: 2.0 mA max 26 MHz to 52 MHz: 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: -115 dBc/Hz 1kHz: -135 dBc/Hz 10kHz: -148 dBc/Hz

All specifications subject to change without notice.

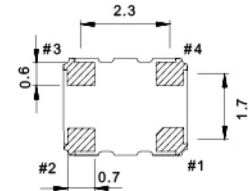
CERAMIC SMD



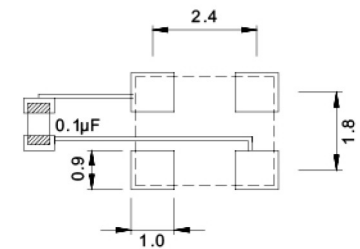
(Top View)



(Side View)



(Bottom View)



(Recommended Land Pattern)

Dimensions: millimeters

FREQ STABILITY vs. TEMP AVAILABILITY TABLE

Temp. Range	FM Code	Frequency Stability (±ppm)					
		0.5	1.0	1.5	2.0	2.5	3.0
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 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)

Standard Specifications for product indicated in color

PART DESCRIPTION SYSTEM

