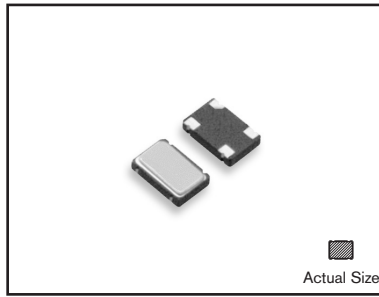


FMTC3S2 SERIES

3.0 / 2.5 Vdc TCXO

CERAMIC SMD 3.2x2.5



- Ultra Miniature, Low Profile
- 3.0/2.5 Vdc Supply Voltage
- Low Power Consumption
- Clipped Sinewave



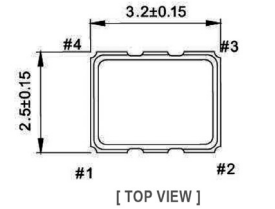
SPECIFICATIONS

Issue 1 - 01282011

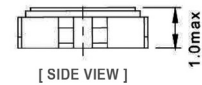
Parameter	Clipped Sinewave Specification
Frequency Range	13 to 52 MHz
External DC-CUT Capacitor Required	NPO 150pF recommended
Frequency Tolerance at +25°C	±2.0 ppm max
Frequency Stability vs. Supply V, ±5% Change	±0.2 ppm max.
Frequency Stability vs. Load ±10% Change	±0.2 ppm max.
Frequency Stability vs. Aging	±1 ppm per year max.
Storage Temperature	-55°C to +125°C
Supply Voltage (Vdd)	3.0 Vdc ±5% or 2.5 Vdc ±5%
Supply Current (Icc)	13 MHz ≥ Fo < 26 MHz: 2.0 mA max 26 MHz ≥ Fo < 52 MHz: 2.5 mA max
Symmetry (Duty Cycle)	40/60% Std.
Output Voltage Level Clipped Sinewave	0.8 min, 2.0 max Vp-p
Output Load	10 Kohm // 10pF
Start-up Time	2 mSec max
Phase Noise (typical)	10 Hz: -79 dBc/Hz 100 Hz: -108 dBc/Hz 1kHz: -132 dBc/Hz 10kHz: -148 dBc/Hz 100kHz: -150 dBc/Hz
Aging @ +25°C	±1 ppm max first year

All specifications subject to change without notice.

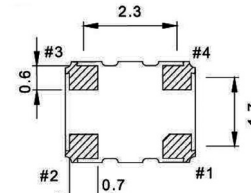
CERAMIC SMD



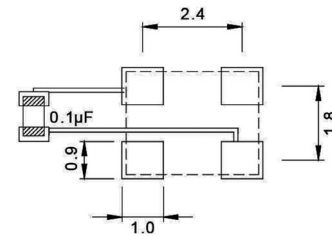
[TOP VIEW]



[SIDE VIEW]



[BOTTOM VIEW]



[RECOMMENDED LAND PATTERN]

PIN FUNCTION TABLE

Pin	Function
1	No Connect
2	Ground
3	Output
4	Supply Voltage (Vdd)

FREQUENCY STABILITY vs. TEMP. AVAILABILITY TABLE

Temp. Range	FM Code	Frequency Stability (±ppm)				
		±0.5	±1.0	±1.5	±2.0	±2.5
0 to +50	J	*	*	*	*	*
-10 to +60	E	*	*	*	*	*
-20 to +70	B	*	*	*	*	*
-30 to +75	S	•	*	*	*	*
-40 to +85	C		•	*	*	*

* Denotes Availability, • Denotes Conditional, consult the factory

STANDARD MARKING



XX.XXX FREQUENCY in MHz

Standard Specifications for product indicated in color

Dimensions: millimeters

PART DESCRIPTION SYSTEM

