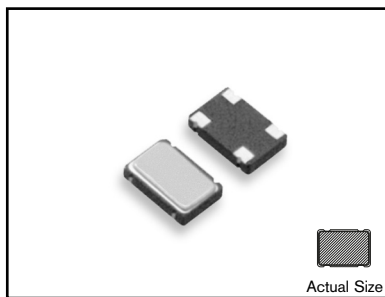


FMVTC3S3 SERIES

3.3 Vdc VCTCXO

CERAMIC SMD 5x3.2



- Miniature, Low Profile
- 3.3 Vdc Supply Voltage
- HCMOS/TTL Compatible
- Clipped Sinewave Avail.

SPECIFICATIONS

09 - Issue 2 - 020309



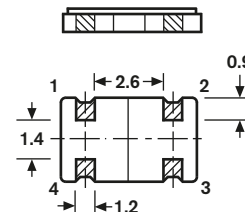
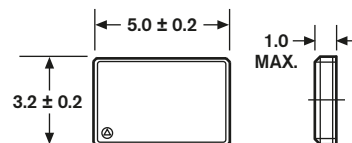
RoHS compliant

Parameter	HCMOS/TTL Specification								
Frequency Range	10 - 26.0 MHz								
Frequency Adjustment Range	(Electronic Tuning) ± 8 ppm min.								
Frequency Stability vs. Temp	See Table Below								
Frequency Stability vs. Input V.	± 0.5 ppm max.								
Frequency Stability vs. Load	± 0.3 ppm max.								
Control Voltage	0.5 to 2.5V								
Storage Temperature	-40 to +85°C								
Supply Voltage (Vdd)	+3.3 Vdc (± 0.25 Vdc)								
Supply Current (Icc)	20 mA max.								
Symmetry (Duty Cycle)	40/60% Std.								
Output "0" Level (VOL)	0.4 Vdc max. (TTL) 0.5 Vdc max. (HCMOS)								
Output "1" Level (VOH)	2.4 Vdc min. (TTL) 4.5 Vdc min. (HCMOS)								
Rise and Fall Time	10 ns max. (5ns typical)								
Output Load	10 TTL / 15 pF HCMOS								
Jitter (typical)	< 10 pico seconds, one sigma								
Phase Noise (typical)	<table border="1"> <tr> <td>100 Hz</td> <td>-100dBc/Hz</td> </tr> <tr> <td>1kHz</td> <td>-130dBc/Hz</td> </tr> <tr> <td>10kHz</td> <td>-140dBc/Hz</td> </tr> <tr> <td>100kHz</td> <td>-140dBc/Hz</td> </tr> </table>	100 Hz	-100dBc/Hz	1kHz	-130dBc/Hz	10kHz	-140dBc/Hz	100kHz	-140dBc/Hz
100 Hz	-100dBc/Hz								
1kHz	-130dBc/Hz								
10kHz	-140dBc/Hz								
100kHz	-140dBc/Hz								
Aging @ 25°C	± 1 ppm max first year								

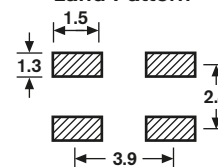
Improved phase noise available with clipped sinewave design, consult the factory

All specifications subject to change without notice.

CERAMIC SMD



Recommended Land Pattern



PIN FUNCTION TABLE

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

FREQUENCY STABILITY vs. TEMPERATURE AVAILABILITY TABLE

Temp. Range	FM Code	Frequency Stability (\pm 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

Standard Specifications for product indicated in color

Dimensions: millimeters

PART DESCRIPTION SYSTEM

