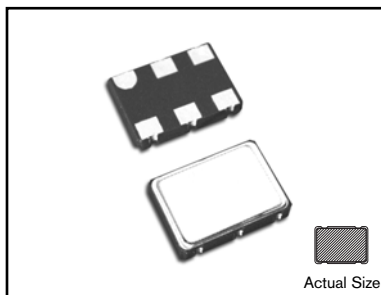


FMVC3S SERIES

3.3 Vdc VCXO

CERAMIC SMD 5x7



- 3.3 Vdc Supply Voltage
- HCMOS / TTL Compatible
- Small Footprint
- Excellent Stability

SPECIFICATIONS

09 - Issue 3 - 021809



Parameter	Specification
Frequency Range	1.54 MHz - 200 MHz
Overall Frequency Tolerance	±20 ppm to ±100 ppm (±50 ppm STD) (Inclusive of Operating Temp., Supply Voltage, & Load.)
Operating Temperature Range	0 to +70°C Std.
Storage Temperature	-55 to +125°C
Supply Voltage (Vdd)	+3.3 Vdc (±0.3 Vdc)
Supply Current (Icc)	30 mA max. @ 1.54 to 23.9 MHz 50 mA max. @ 24.0 to 60.0 MHz 75 mA max. @ 61.0 to 160.0 MHz 90 mA max. @ 161.0 to 200.0 MHz
Symmetry (Duty Cycle)	40/60% Std., 45/55% Available (See Spec. Option S).
Output "0" Level (VOL)	0.3 Vdc max. @ +3.3 Vdc
Output "1" Level (VOH)	3.0 Vdc min. @ +3.3 Vdc
Rise and Fall Time	10 ns max. < 5 ns typical
Linearity	±20% max. Std., ±10% Available (See Spec. Option L)
Output Load	10 TTL / 15 pF HCMOS < 40.0 MHz 15 pF HCMOS
Pullability	±50 to ±100 ppm typical @ 3.3 Vdd (Select a min. and max. pullability from part number.)
Jitter	1 pico second RMS Max
Phase Noise (typical)	10 Hz -75dBc/Hz 100 Hz -110dBc/Hz 1kHz -125dBc/Hz 10kHz -130dBc/Hz 100kHz -140dBc/Hz
Control Voltage (Vc)	Nominal 1.65 Vdc, Range 0.0-3.3 Vdc, Positive Transfer
Aging @ 25°C	±3 ppm max first year

All specifications subject to change without notice.

STANDARD MARKING

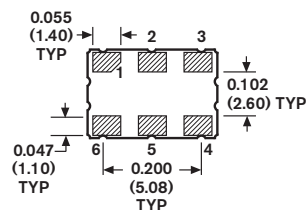
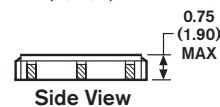
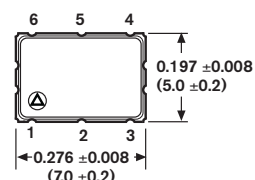
XXX.XXXM
XXXXXXX
• FMI YYWW

XXX.XXXM FREQUENCY in MHz
XXXXXXX Part Number
ESD / Pin 1 Symbol, FMI, Date Code

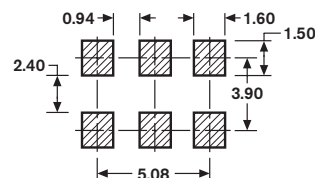
PIN FUNCTION TABLE

Pin	Function
1	Control Voltage
2	Tri-State Control
3	Ground
4	Output
5	N/C
6	+Vdd

SMD 5x7



Bottom View



Soldering Position

Standard Specifications for product indicated in color

Dimensions: $\frac{\text{Inches}}{\text{(mm)}}$

PART DESCRIPTION SYSTEM

FMVC3S 50 C G A S / L - XX.XXXXXXM - CM				Options
Product Family HCMOS/TTL Compatible 3.3 Vdc VCXO Ceramic SMD	Min. Pullability A ±50 ppm B ±75 ppm C ±100 ppm D ±125 ppm E ±150 ppm X Custom Z No Spec.	Max. Pullability C ±100 ppm D ±125 ppm E ±150 ppm F ±175 ppm G ±200 ppm X Custom Z No Spec.	Temp. Range A 0 to 70 °C B -20 to 70 °C C -40 to 85 °C D -10 to 50 °C E -10 to 60 °C F -30 to 60 °C J 0 to 50 °C X Custom	GW- Gull Wing JL - J-Lead PD - Parameter Data CM - Custom Mark BLANK - None Req'd.
Overall Frequency Tol. 25 ±25 ppm 50 ±50 ppm 00 ±100 ppm nn ±Custom Value	Frequency (MHz)	Spec. Options S - Tight Symmetry (45/55%) Duty Cycle L - Linearity ±10% Max. T - Tristate BLANK - None Required (Std.)		