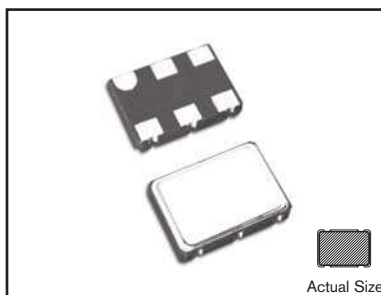


FMVC5S SERIES

5.0 Vdc VCXO

Ceramic SMD 5x7



- Miniature, Low Profile
- HCMOS / TTL Compatible
- 5.0 Vdc Supply Voltage
- Excellent Stability

SPECIFICATIONS

09 - Issue 2 - 021209



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)	+5.0 Vdc (±0.5 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)	0.4 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. < 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	±100 to ±150 ppm typical @ 5.0 Vdd (Select a min. and max. pullability from part number.)
Jitter (typical)	< 10 pico seconds, one sigma
Phase Noise (typical)	10 Hz -75dBc/Hz 100 Hz -110dBc/Hz 1kHz -125dBc/Hz 10kHz -130dBc/Hz 100kHz -140dBc/Hz
Control Voltage (Vc)	Nominal 2.5 Vdc, Range 0.5-4.5 Vdc, Positive Transfer @5.0 Vdd
Aging @ 25°C	±3 ppm max first year

All specifications subject to change without notice.

STANDARD MARKING

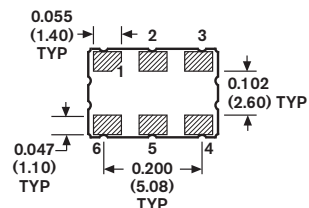
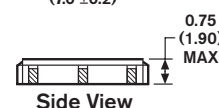
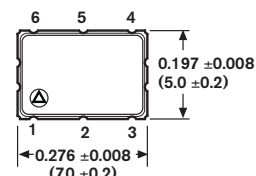
XX.XXM
XXXXXXX
• FMI YYWW

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

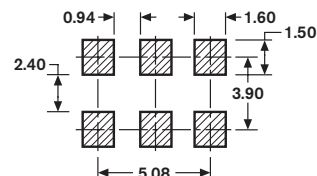
PIN FUNCTION TABLE

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

CERAMIC SMD



Bottom View



Soldering Position

Standard Specifications for product indicated in color

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

PART DESCRIPTION SYSTEM

FMVC5S 50 C G A S / L - XX.XXXXXXM - CM										
Product Family HCMOS/TTL Compatible 5.0 Vdc VCXO Ceramic SMD		Min. Pullability		Max. Pullability		Temp. Range		Frequency (MHz)		Options GW- Gull Wing JL - J-Lead PD - Parameter Data CM - Custom Mark BLANK- None Req'd
		A +1-50 ppm B ±75 ppm C ±100 ppm D ±125 ppm E ±150 ppm X Custom Z No Spec.	C ±100 ppm D ±125 ppm E ±150 ppm F ±175 ppm G ±200 ppm X Custom Z No Spec.	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						
Overall Frequency Tol. 25 ±25 ppm 50 ±50 ppm 00 ±100 ppm nn ±Custom Value								Spec. Options S - Tight Symmetry (45/55%) Duty Cycle L - Linearity ±10% Max. BLANK- None Required (Std.)		