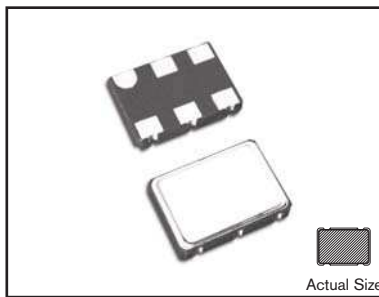


SERIES FMVCLVDSC3S

3.3 Vdc LVDS VCX0

CERAMIC SMD 5x7



- Miniature, Low Profile
- 3.3 Vdc Supply Voltage
- LVDS
- Low Current Consumption

SPECIFICATIONS

09 - Issue 2 - 021209



Parameter	Specification
Frequency Range	10.000 to 650.000 MHz
Overall Frequency Tolerance	±20 ppm to ±100 ppm (Inclusive of Operating Temp., Supply Voltage, & Load)
Operating Temperature Range	0 to +70°C Std., -40 to +85°C Avail.
Storage Temperature	-55 to +125°C
Supply Voltage (Vdd)	+3.3 Vdc ± 5%
Supply Current (Icc)	80 mA Typical
Phase Jitter (Tpj)	0.044 x 10-3 Typical
Phase Jitter (Tp-p)	3 pS RMS max. Condition: 12 kHz to 20 MHz
Accumulated Jitter (Tacc)	3 pS RMS max. Condition: 12 kHz to 20 MHz
Symmetry (Duty Cycle)	45/55%
Rise and Fall Time	500 ps Typ. / 800 ps max.
Start Time	10 ms max. < 5 ms typical
Output	LVDS
Output Load	100 ohms max. (Vcc - 2.0V)
Differential Output Voltage	0.247V to 0.454V
(Vod) (Out 1 - Out 2)	(0.33V Typical)
Offset Voltage	1.25 Vos
Pin 1 Options (See Spec. Option T below)	No Connect (Std.) Tri-State (option T) VIH: 1.6 V max. or Open Enables Output VIL: 0.9 V min. Disables Output Output Disable/Enable Time: 100 nS max.
Aging @ 25°C	±5ppm max first year

All specifications subject to change without notice.

STANDARD MARKING

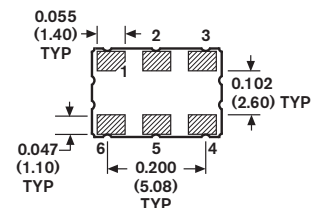
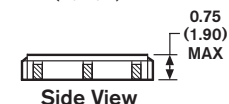
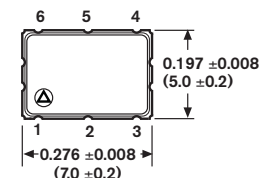
XXX.XXXM
• FMI YYWW

XXX.XXXM FREQUENCY in MHz
Pin 1 Symbol, FMI, Date Code

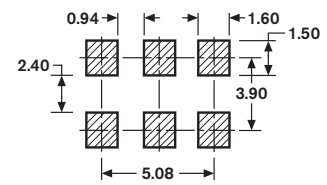
PIN FUNCTION TABLE

Pin	Function
1	Control V
2	Tri-State Control
3	Ground (Case)
4	Output
5	Diff. Output
6	Supply Voltage (Vdd)

CERAMIC SMD



Bottom View



Soldering Position

Standard Specifications for product indicated in color

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

PART DESCRIPTION SYSTEM

FMVCLVDSC3S 50 C G A L - XX.XXXXXXM - CM						Options
Product Family HCMOS/TTL Compatible 3.3 Vdc LVDS VCX0 Ceramic SMD	Min. Pullability A +1-50 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	Frequency (MHz)	Specification Options L - Linearity ±10% Max. BLANK- None Required (Std.) T - Tri-State	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						