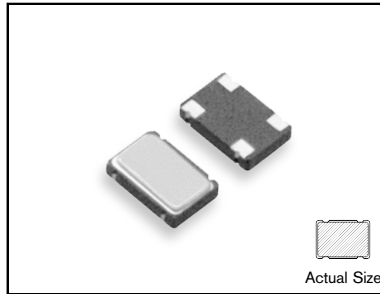


FMOC5S SERIES

5.0 Vdc Clock Oscillators

CERAMIC SMD 5x7



- Miniature, Low Profile
- 5.0 Vdc Supply Voltage
- HCMOS/TTL Compatible
- Tape and Reel Available

SPECIFICATIONS

09 - Issue 3 - 111609



Parameter	Specification
Frequency Range	1 - 125.000 MHz
Overall Frequency Tolerance	±25 ppm to ±100 ppm (Inclusive of Operating Temp., Supply Voltage, & Load)
Operating Temperature Range	0 to +70°C Std., -40 to +85°C Avail. (See Spec. Option E)
Storage Temperature	-55 to +125°C
Supply Voltage (Vdd)	+5.0 Vdc (±0.5 Vdc)
Supply Current (Icc)	20 mA max. @ 1 to 23.9 MHz 40 mA max. @ 24.0 to 49.9 MHz 50 mA max. @ 50.0 to 70.0 MHz 70 mA max. @ 71.0 to 125.0 MHz
Symmetry (Duty Cycle)	40/60% Std., 45/55% Avail. (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	3 ns max. < 5 ns typical
Jitter	Absolute: ±100 pSec Max One Sigma: ±25 pSec Max
Start Time	10 ms max. < 5 ms typical
Output Load	10 TTL / 15 pF HCMOS
Pin 1 Options (See Spec. Option T below)	No Connect (Std.) Tri-State (option T) VIH: 2.2 V or Open Enables Output VIL: 0.8 V 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

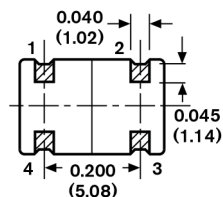
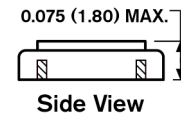
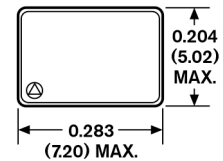
XXX.XXXM
XXXXXXX
• FMI YYWW

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

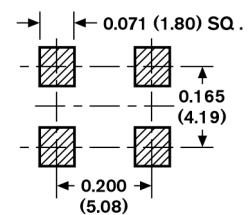
PIN FUNCTION TABLE

Pin	Function
1	NC or Tri-State
2	Case Ground
3	Output
4	Supply Voltage (Vdd)

CERAMIC SMD



Bottom View



Recommended Land Pattern

Standard Specifications for product indicated in color

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

PART DESCRIPTION SYSTEM

FMOC5S 00 A S / T - XX.XXXXXXM - CM				
Product Family HCMOS/TTL Compatible 5.0 Vdc Clock Osc. Ceramic SMD	Overall Frequency Tol. 25 ± 25 ppm 50 ± 50 ppm 00 ± 100 ppm nn ± Custom Value	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 S - Tight Symmetry (45/55%) Duty Cycle T - Tri-State BLANK - None Required (Std.)	Options TR - Tape and Reel PD - Parameter Data CM - Custom Mark BLANK - None Req'd.