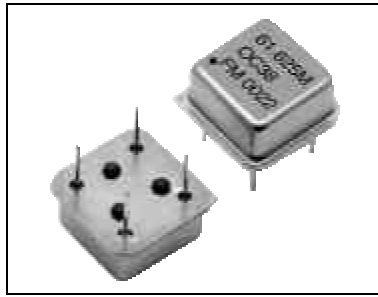


# FMOC38 SERIES

3.3 Vdc Clock Oscillators

8 PIN DIP



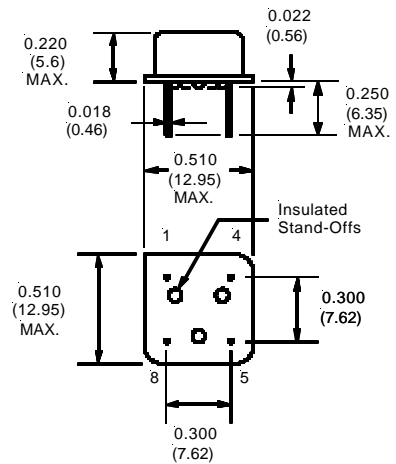
- 3.3 Vdc Supply Voltage
- HCMOS/TTL Compatible
- Small Footprint
- Hermetically Sealed

## SPECIFICATIONS

Parameter	Specification
Frequency Range	500.0 kHz to 85.0 MHz
Overall Frequency Tolerance	±20 ppm to ±100 ppm (Inclusive of Operating Temp., Supply Voltage, & Load)
Operating Temperature Range	0 to +70°C Std. (See Temp. Range Options)
Storage Temperature	-55 to +125°C
Supply Voltage (Vdd)	+3.3 Vdc (±0.3 Vdc)
Supply Current (Icc)	15 mA max. @ 500.0 kHz to 23.9 MHz 25 mA max. @ 24.0 to 49.9 MHz 30 mA max. @ 50.0 to 85.0 MHz
Symmetry (Duty Cycle)	40/60% Std., 45/55% Avail. (See Spec. Option S)
Output "0" Level (V <sub>OL</sub> )	0.4 Vdc max. (TTL) 0.4 Vdc max. (HCMOS)
Output "1" Level (V <sub>OH</sub> )	2.4 Vdc min. (TTL) 2.7 Vdc min. (HCMOS)
Rise and Fall Time	10 ns max. < 5 ns typical
Start Time	10 ms max. < 5 ms typical
Output Load	2 TTL / 15 pF HCMOS
Pin 1 Options (See Spec. Option T below)	No Connect (Std.) Tri-State (option T) V <sub>IH</sub> : 2.2 V or Open Enables Output V <sub>IL</sub> : 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.

HALF SIZE 8 PIN DIP



PIN FUNCTION TABLE

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

NOTE: Waveforms & Test Circuits on pages 48, 49

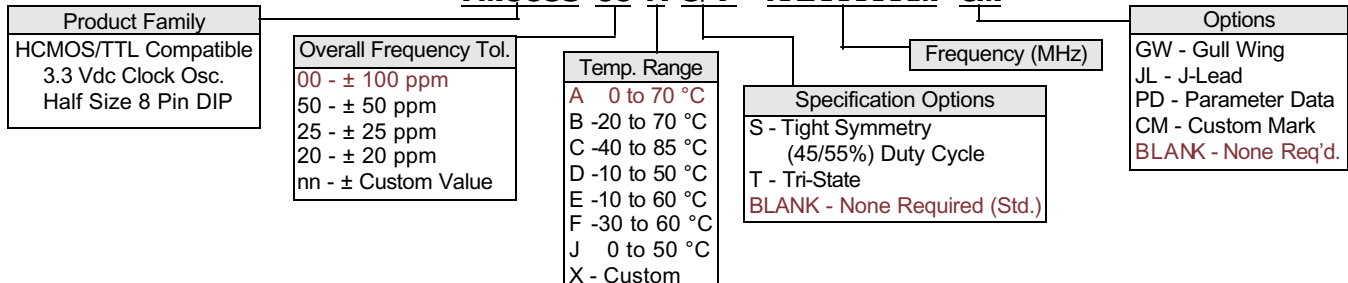
Standard Specifications for product indicated in color

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

## PART NUMBERING SYSTEM

MARKING: See Page 57, Format H

**FMOC38 00 A S/T - XX.XXXXXXM - CM**



15302 Bolsa Chica St., Huntington Beach, CA. 92649  
 Tel: 714-892-3234 Fax: 714-890-1832  
 E-mail: sales@frequencymanagement.com  
 www.frequencymanagement.com

1-800-800-XTAL  
 (9825)