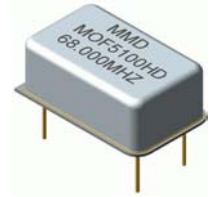


# MOF Series / 14 Pin DIP OCXO



- Oven Controlled Oscillator
- 1.0 MHz to 80.0 MHz Available
- 14-pin DIP Package
- -40°C to 85° Available
- ±50ppb to ±500ppb



## PART NUMBERING GUIDE:

**MOF 5 S 100 H B – Frequency**

**Supply Voltage**  
 3 = 3.3 Volt  
 5 = 5 Volt

**Crystal Cut**  
 Blank = AT Cut  
 S = SC Cut

**Frequency Stability**  
 050 = ±50ppb  
 100 = ±100ppb  
 500 = ±500ppb

**Operating Temperature**  
 A = 0°C to 50°C  
 B = -10°C to 60°C  
 C = -20°C to 70°C  
 D = -30°C to 70°C  
 E = -30°C to 80°C  
 F = -40°C to 85°C

**Output Type**  
 H = HCMOS  
 Z = Sinewave

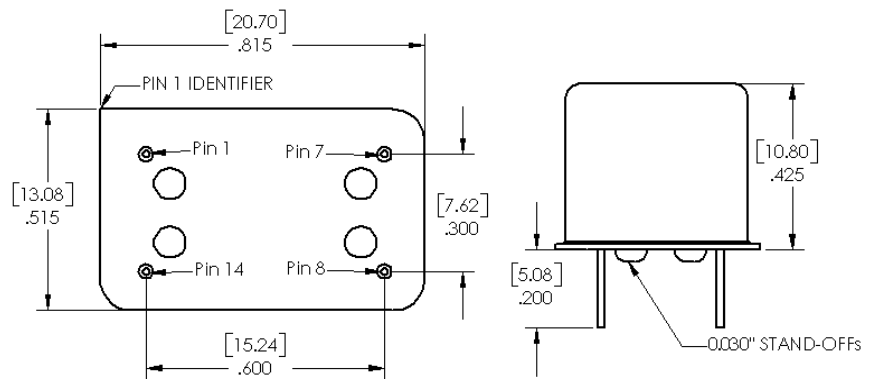
## ELECTRICAL SPECIFICATIONS:

Frequency Range	1.0 MHz to 80.0MHz	
Frequency Stability	±50ppb to ±500ppb	
Operating Temperature	-40°C to 85°C max*	
* all stabilities not available		
Storage Temperature	-40°C to 95°C	
Output Type	HCMOS or Sinewave	
Supply Voltage	3.3V or 5.0V	
Supply Current	3.3V	5V
Typical	480mA	320mA
Max	780mA	520mA
Warm-up Time	3min. @ 25°C	
Input Impedance	100K Ohms typical	
Crystal	AT or SC Cut options	
Phase Noise @ 10MHz	SC	AT
10 Hz Offset	-100dBc	-92dBc
100 Hz Offset	-127dBc	-118dBc
1000 Hz Offset	-140dBc	-135dBc
Voltage Control 0 to VCC	±3ppm typ	±10ppm typ
Aging (after 30 days)	±0.2ppm/yr.	±1.0ppm/yr.

## MECHANICAL DETAILS:

### Pin Connections

Pin 1 = Vc  
 Pin 7 = Ground  
 Pin 8 = Output  
 Pin 14 = Supply Voltage



**MMD Components**, 30400 Esperanza, Rancho Santa Margarita, CA, 92688  
 Phone: (949) 709-5075, Fax: (949) 709-3536, [www.mmdcomponents.com](http://www.mmdcomponents.com)  
 Sales@mmdcomp.com