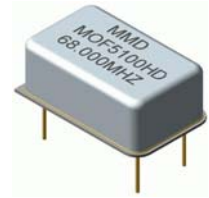


# MOFH and MOFZ Series / 14 Pin DIP OCXO



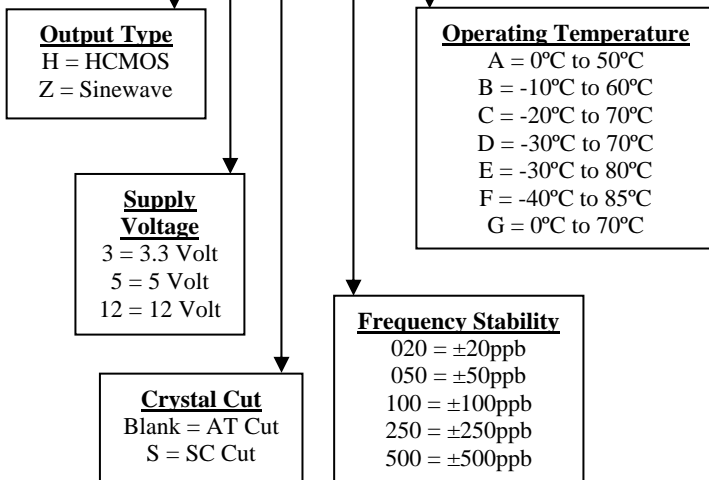
- Oven Controlled Oscillator
- 1.0 MHz to 150.0 MHz Available
- 14-pin DIP Package
- -40°C to 85° Available
- ±20ppb to ±500ppb



## PART NUMBERING GUIDE:

## ELECTRICAL SPECIFICATIONS:

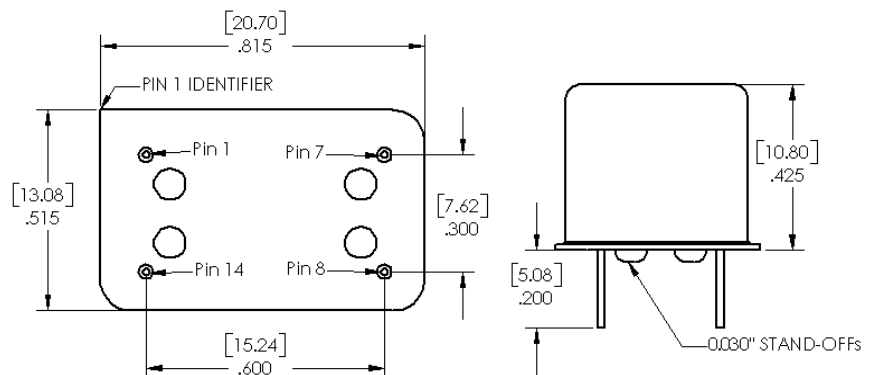
### MOF H 5 S 100 B – Frequency



Frequency Range		1.0 MHz to 150.0MHz	
Frequency Stability		±20ppb to ±500ppb	
Operating Temperature		-40°C to 85°C max*	
* All stabilities not available, please consult MMD for availability.			
Storage Temperature		-40°C to 95°C	
Output	Sinewave	±3 dBm	50Ω
	HCMOS	10% Vdd max 90% Vdd min	30pF
Supply Voltage (Vdd)		3.3V	5V
Supply Current	typ	220mA	200mA
	max	550mA	400mA
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