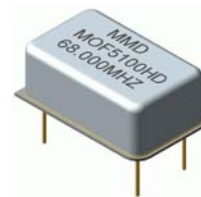


MOFH and MOFZ Series / 14 Pin DIP OCXO



- Oven Controlled Oscillator
- 1.0 MHz to 150.0 MHz Available
- 14-pin DIP Package
- -40°C to 85° Available
- ±50ppb to ±500ppb



PART NUMBERING GUIDE:

MOF H 5 S 100 B - Frequency

Output Type
H = HCMOS
Z = Sinewave

Supply Voltage
3 = 3.3 Volt
5 = 5 Volt
12 = 12 Volt

Crystal Cut*
Blank = AT Cut
S = SC Cut

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
G = 0°C to 70°C

Frequency Stability
050 = ±50ppb
100 = ±100ppb
250 = ±250ppb
500 = ±500ppb

*Specific Stabilities/ Temperatures requires an SC Cut Crystal

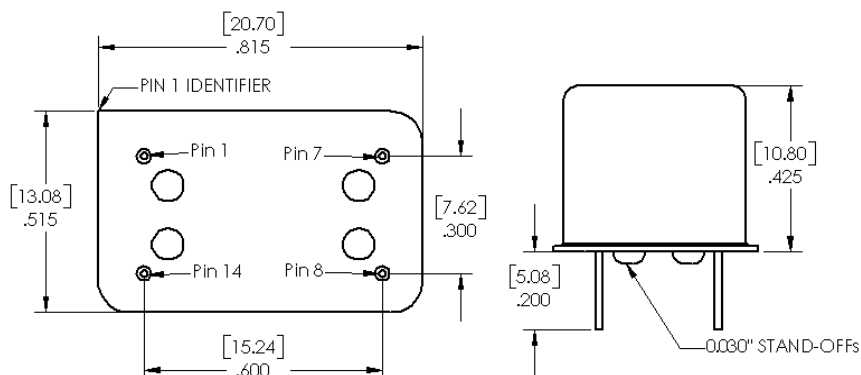
ELECTRICAL SPECIFICATIONS:

Frequency Range		1.0 MHz to 150.0MHz		
Frequency Stability		±50ppb 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	12V
Supply Current	typ	220mA	200mA	80mA
	max	550mA	400mA	150mA
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)		±0.5ppm/yr.		±1.5ppm/yr.

MECHANICAL DETAILS:

Pin Connections

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



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