MOFH & MOFZ Series – 14 Pin Dip OCXO

- **Oven Controlled Oscillator**
- **1.0 MHz to 150.0 MHz Available**
- **SC Crystal Option**
- **RoHS Option Available**
- **±10ppb to ±500ppb**



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 availablity.				
Storage Temperature		-40°C to 95°C		
Output	Sinewave	±3 dBm		50Ω
	HCMOS 3.3V, 5V	10% Vdd max 90% Vdd min		15pF
	HCMOS 12V	Logic '0'= .5V max Logic '1' = 4.5V min		
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.

Environmental & Mechanical Detail

Shock	MIL-STD-883, Method 2002 Cond B
Solderability	MIL-STD-883, Method 2003
Solvent Resistance	MIL-STD-202, Method 215
Vibration	MIL-STD-883, Method 2007, Cond A
Gross Leak Test	MIL-STD-883, Method 1014, Cond C
Fine Leak Test	MIL-STD-883, Method 1014, Cond A2
MSL	Level 1 per IPC/JEDEC J-STD 20

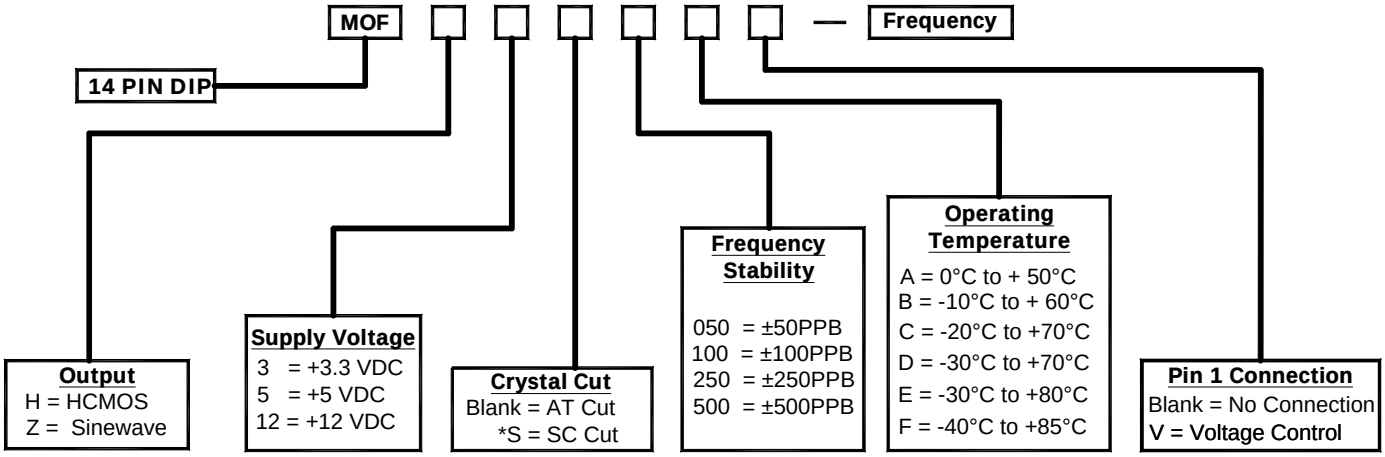
Marking Detail

Line 1 = MXXXXX		
M	=	MMD
XXXXX	=	Frequency in MHZ
Line 2 = SYYWWL		
S	=	Internal Code
YYWW	=	4 Numerical Digit Date Code (Year / Week)
L	=	Denotes RoHS Compliant
Line 3 = XXXXX		
Internal use only		
May vary with lots		
Pin 1 Designator		

MMD Monitor / Quartztek
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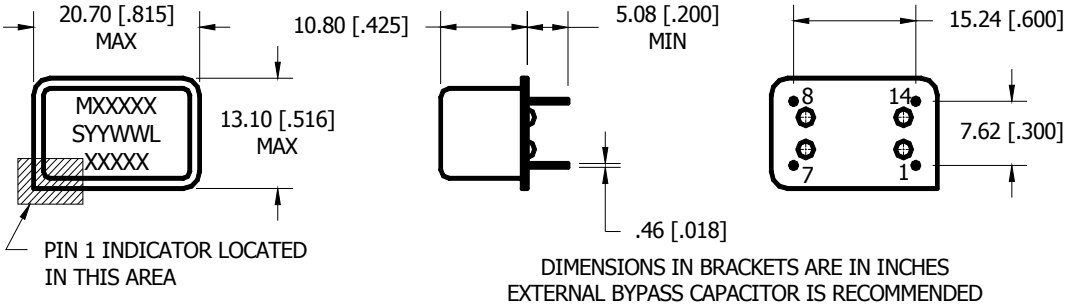
Revision:	MOF070711K

Part Number Guide



Please Consult with MMD Sales Department for any other Parameters or Options
*SC Crystal must be used under specific aging and stabilities

Mechanical Details



PIN CONNECTIONS	
PIN 1	VC OR NC
PIN 7	GROUND
PIN 8	OUTPUT
PIN 14	SUPPLY VOLTAGE

DIMENSIONS IN BRACKETS ARE IN INCHES
EXTERNAL BYPASS CAPACITOR IS RECOMMENDED

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