

MOBH & MOBZ Series – 1" Sq. 14 Pin Compatible OCXO



- Oven Controlled Oscillator
- 1.0 MHz to 150.0 MHz Available
- SC Crystal Option
- RoHS Option Available
- $\pm 10\text{ppb}$ to $\pm 500\text{ppb}$



Frequency Range		1.0 MHz to 150.0MHz	
Frequency Stability		±10ppb 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)		5.0V	12.0V
Supply Current	typ	300mA	120mA
	max	500mA	250mA
Warm-up Time		4min. @ 25°C	
Input Impedance		100K Ohms typical	
Crystal		AT or SC Cut options	
Phase Noise @ 10MHZ		SC	AT
	10 Hz Offset	-105dBc	-91dBc
	100 Hz Offset	-125dBc	-120dBc
	1000 Hz Offset	-140dBc	-135dBc
	10K Hz Offset	-145dBc	-138dBc
Voltage Control 0 to VCC		±3ppm typ.	±10ppm typ.
Aging (after 30 days)		±0.1ppm/yr.	±1.0ppm/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		

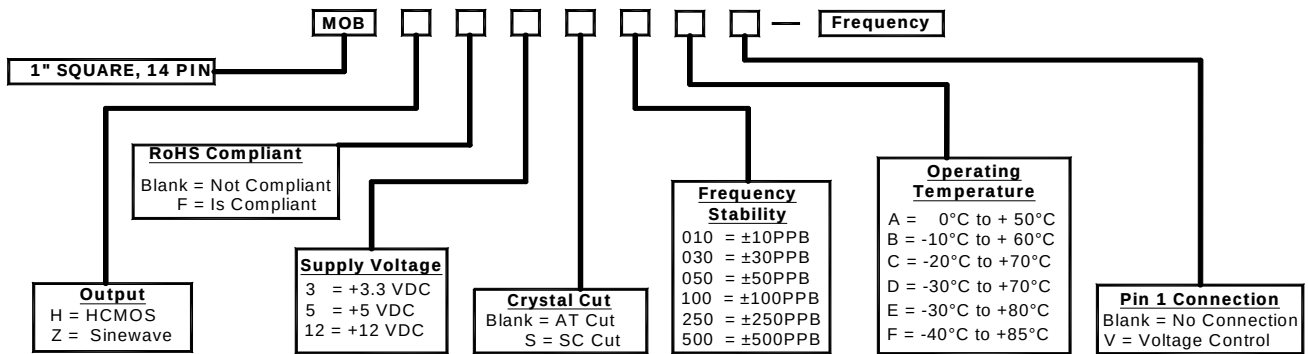


MMD Monitor/Quartztek
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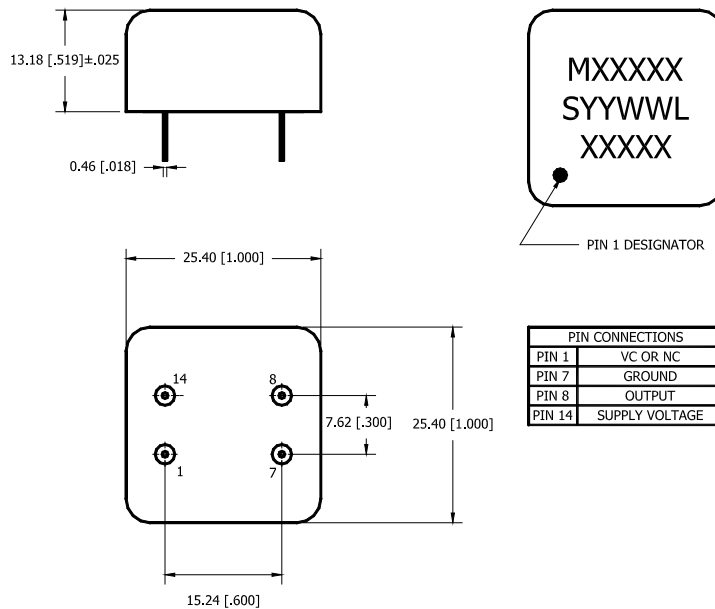
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Part Number Guide



Please Consult with MMD Sales Department for any other Parameters or Options

Mechanical Details



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