

MIMH SERIES – 5 x 7 Ceramic Oscillator



- 5 x 7 Ceramic SMD 4 Pads Oscillator
- Wide Frequency Range
- -55°C to +125°C Operation
- RoHS Compliant



ELECTRICAL SPECIFICATIONS:

Frequency Range	1.500MHZ to 156.520MHZ	
Freq Tolerance @ +25°C	±25ppm	
Freq Stability (Inclusive of Temp., Load, Voltage, and Aging)	(See Part Number Guide for Options)	
Operating Temp Range	(See Part Number Guide for Options)	
Storage Temp. Range	-55°C to +125°C	
Supply Voltage (Vdd)	+3.3 VDC ±5%	+5.0 VDC ±5%
Supply Current	1.500MHZ to 20.000MHZ	12 mA max
	21.000MHZ to 50.000MHZ	15 mA max
	51.000MHZ and above	40 mA max
Waveform	HCMOS	
Logic "0"	10% Vdd max	
Logic "1"	90% Vdd min	
Symmetry (50% of wavefrom)	(See Part Number Guide for Options)	
Load	5 TTL Gates or 30pF Load max	10 TTL Gates or 50pF Load max
Rise / Fall Time (20% to 80%)	6 nSec max	
Start Time	10 mSec max	
Tri-state Operation	Vih = 70% of Vdd min to Enable Output Vil = 30% max or grounded to Disable Output (High Impedance)	

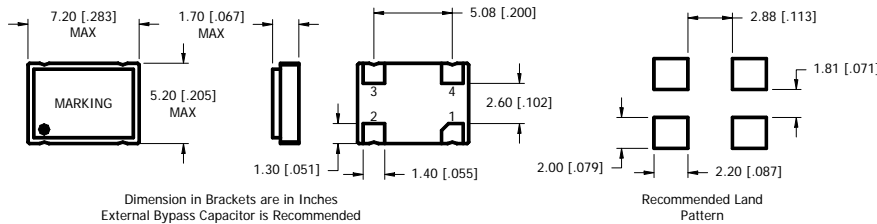
ENVIRONMENTAL/MECHANICAL SPECIFICATIONS:

Shock	MIL-STD 883, Method 2002, Test Condition B
Vibration	MIL-STD 883, Method 2007, Test Condition B
Reflow Solder	+160°C for 120 sec max +260°C for 10 sec. max
Hermeticity	MIL-STD 883, Method 1014, Test Condition C
Solderability	MIL-STD 883, Method 2003 (No Aging)

MARKING DETAILS:

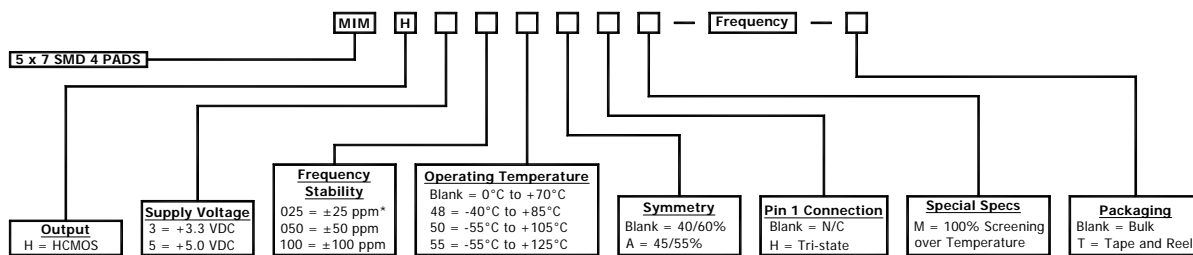
Line 1 = MXXXXX		
M	=	MMD COMPONENTS
XXXXX	=	Frequency in MHZ
Line 2 = SYMML		
S	=	Internal Code
YYMM	=	4 Digit Date Code (Year / Month)
L	=	Denotes RoHS Compliant
Line 3 = XXXXX		
Internal use only		
May vary with lots		
Black dot to denote Pin 1		

MECHANICAL DIMENSIONS:



Pin Connections	
Pin 1	Tri-state or N/C
Pin 2	Case Ground
Pin 3	Output
Pin 4	Supply Voltage

PART NUMBERING GUIDE:



Please Consult with MMD Sales Department for any other Parameters or Options
* ±25 ppm between -40°C to +85°C only

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