

MXH Series – 2.0 x 2.5 Ceramic SMD Oscillator

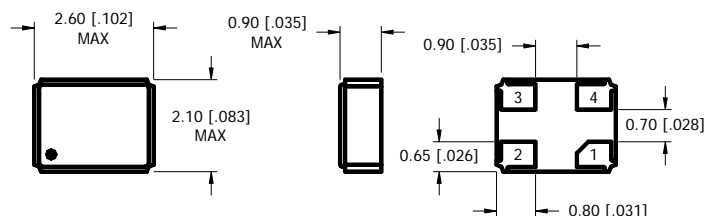


- Low Profile SMD Package
- Hermetically Sealed
- RoHS Compliant
- Wide Frequency Range

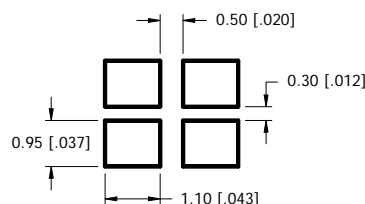
ELECTRICAL SPECIFICATIONS:

Frequency Range	1.544MHZ to 80.000MHZ			
Temperature Stability*	(See Part Number Guide for Options)			
Operating Temperature Range	(See Part Number Guide for Options)			
Storage Temperature Range	-40°C to +85°C			
Aging (+25°C ±3°C)	±5ppm for first year			
Supply Voltage ±10% (Vdd)	+1.80 VDC	+2.50 VDC	+3.30 VDC	+5.00 VDC
Supply Current	1.544MHZ to 9.999MHZ	6mA max	7mA max	8mA max
	10.000MHZ to 34.999MHZ	7mA max	8mA max	10mA max
	35.000MHZ to 49.999MHZ	15mA max	20mA max	25mA max
	50.000MHZ to 80.000MHZ	25mA max	30mA max	35mA max
Waveform	HCMOS			
Logic "0"	10% Vdd max			
Logic "1"	90% Vdd min			
Rise/Fall Time (10% to 90% of Supply Voltage)	4nSec			
Symmetry (50% of waveform)	40%/60% (45%/55% optional)			
Start-up Time	10mSec max			
Absolute Clock Period Jitter	40pSec			
Tri-State Operation	Voh = 70% of Vdd min to Enable Output Vol = 30% max or grounded to Disable Output (High Impedance)			

MECHANICAL DIMENSIONS:



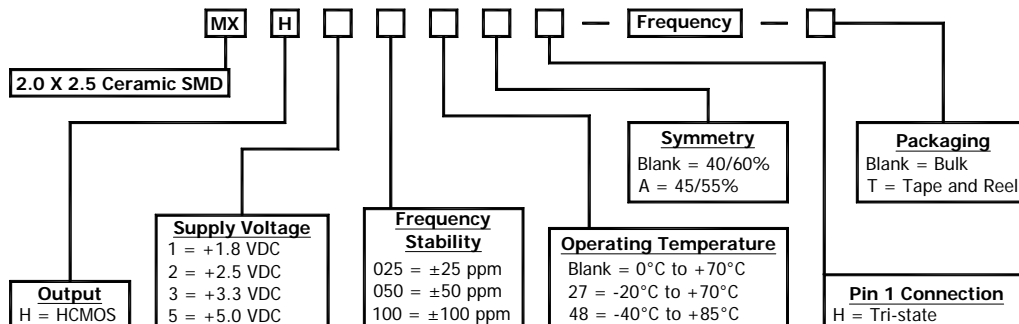
DIMENSION IN BRACKETS ARE IN INCHES
EXTERNAL BYPASS CAPACITOR IS RECOMMENDED



RECOMMENDED
LAND PATTERN

PIN CONNECTIONS	
PIN 1	TRI-STATE
PIN 2	CASE GROUND
PIN 3	OUTPUT
PIN 4	SUPPLY VOLTAGE

PART NUMBER GUIDE:



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

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