

# MTH Series – 5 x 3.2 Ceramic SMD Oscillator



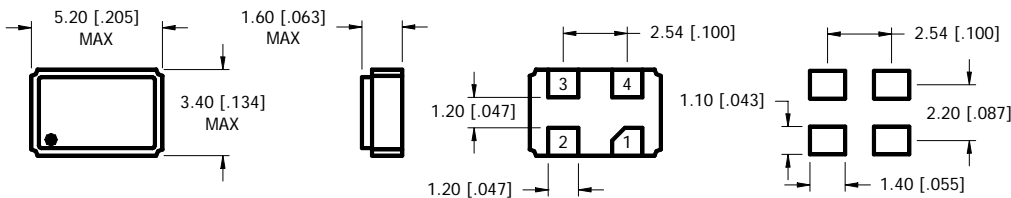
- Low Profile SMD Package
- Hermetically Sealed
- Stand-by Available
- Wide Frequency Range



## ELECTRICAL SPECIFICATIONS:

Frequency Range	1.544MHZ to 133.000MHZ				
Temperature Stability*	(See Part Number Guide for Options)				
Aging (+25°C ±3°C)	±5ppm for first year				
Operating Temperature Range	(See Part Number Guide for Options)				
Storage Temperature Range	-55°C to +125°C				
Supply Voltage (±10%)	+1.80 VDC	+2.50 VDC	+3.30 VDC	+5.00 VDC	
Supply Current	1.544MHZ to 9.999MHZ	6mA	7mA	8mA	15mA
	10.000MHZ to 35.999MHZ	7mA	8mA	10mA	20mA
	35.000MHZ to 49.999MHZ	15mA	20mA	25mA	35mA
	50.000MHZ to 133.000MHZ	25mA	30mA	35mA	40mA
Output Type	HCMOS				
Symmetry (50% of waveform)	40%/60% (45%/55% option)				
Rise/Fall Time (10% to 90% of Supply Voltage)	5nSec max	6nSec max	7nSec max	5nSec max	
Load	15pF				
Start-up Time	10mSec max				
* Inclusive of Temperature., Load, Voltage and Aging					
Pin 1 Function					
Tri-state Operation	Vih = 70% of Vdd min to Enable Output Vil = 30% max or grounded to Disable Output (High Impedance)				
Standby Current	10µA max				

## MECHANICAL DIMENSIONS:

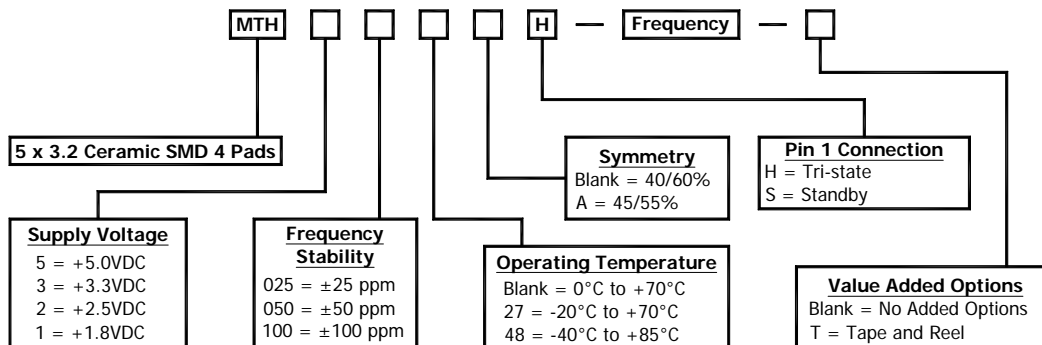


DIMENSIONS IN BRACKETS ARE IN INCHES  
EXTERNAL BYPASS CAPACITOR IS RECOMMENDED

RECOMMENDED  
LAND PATTERN

PIN CONNECTIONS	
PIN 1	TRI-STATE OR STANDBY
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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