

MIH Series



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

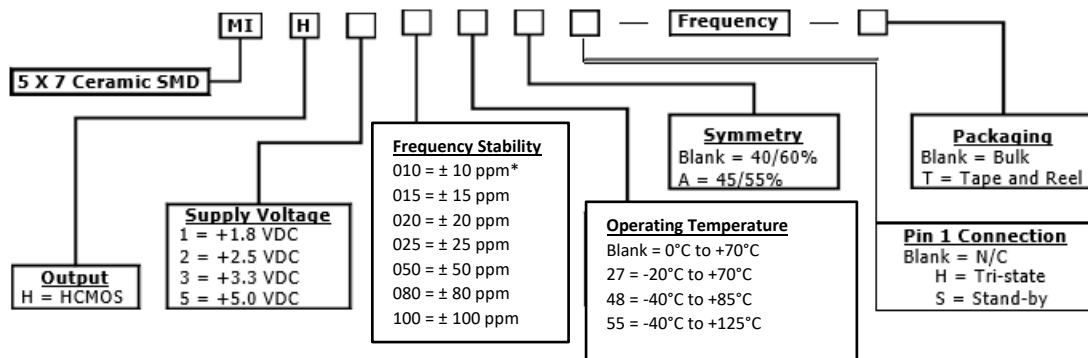


Frequency Range	1.500MHZ to 156.250MHZ			
Temperature Stability*	(See Part Number Guide for Options)			
Operating Temperature Range	(See Part Number Guide for Options)			
Storage Temperature Range	-55°C to +125°C			
Aging (+25°C ±3°C)	±5ppm for first year			
Waveform	HCMOS			
Supply Voltage ±5% (Vdd)	+1.80 VDC	+2.50 VDC	+3.30 VDC	+5.00 VDC
Supply Current	15mA	40mA	40mA	70mA
Load	15pF	15pF	10 TTL Gates or 30pF	10 TTL Gates or 50pF
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			
Jitter (RMS)	Less than 1 pSec			
Tri-State Operation	Vih = 70% of Vdd min to Enable Output Vil = 30% max or grounded to Disable Output (High Impedance)			
Standby Current Consumption	10uA			
* Inclusive of Temperature., Load and Voltage				

Mechanical & Environmental 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

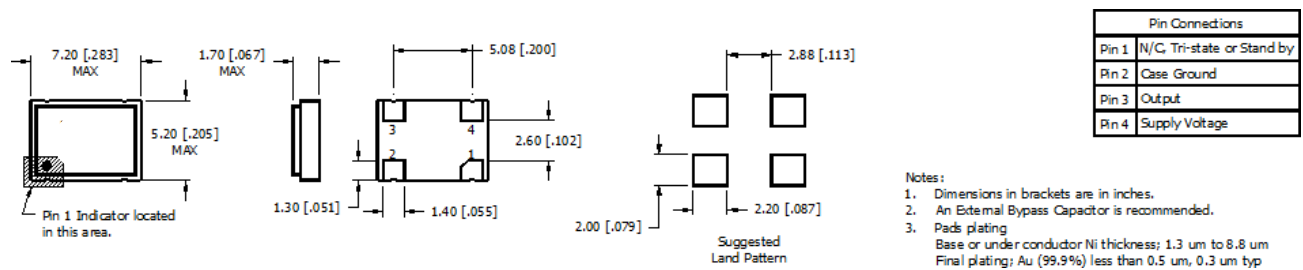
Part Number Guide



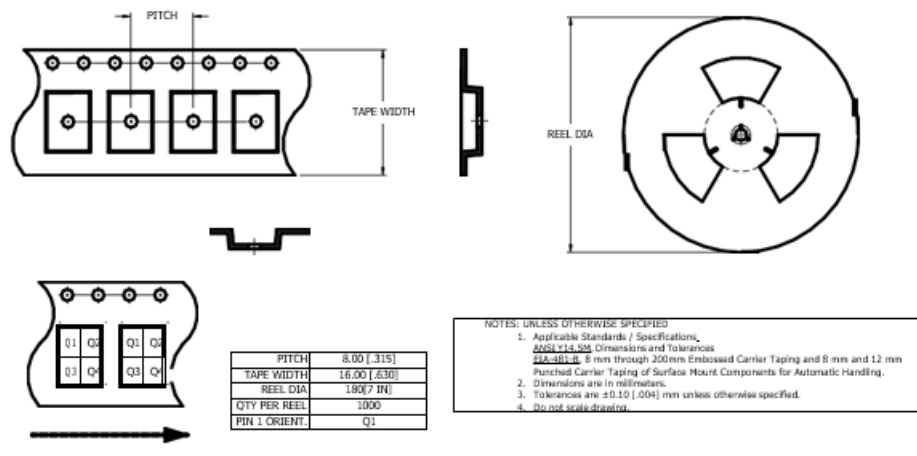
Please Consult with MMD Sales Department for any other Parameters or Options

*Not available in +1.8 VDC and +2.5 VDC

Mechanical Details



Tape & Reel Dimensions



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[ABRACON:](#)

[MIH302548AH-10.000MHZ-T](#) [MIH302548AH-11.0592MHZ-T](#) [MIH302548AH-12.000MHZ-T](#) [MIH302548AH-14.31818MHZ-T](#) [MIH302548AH-14.7456MHZ-T](#) [MIH302548AH-29.4912MHZ-T](#) [MIH302548AH-33.333MHZ-T](#) [MIH302548AH-4.000MHZ-T](#) [MIH302548AH-40.000MHZ-T](#) [MIH302548AH-48.000MHZ-T](#) [MIH302548AH-24.000MHZ-T](#) [MIH302548AH-27.000MHZ-T](#) [MIH302548AH-3.6864MHZ-T](#) [MIH302548AH-30.000MHZ-T](#) [MIH302548AH-32.000MHZ-T](#) [MIH302548AH-16.384MHZ-T](#) [MIH302548AH-24.576MHZ-T](#) [MIH302548AH-33.000MHZ-T](#) [MIH302548AH-7.3728MHZ-T](#) [MIH302548AH-1.8432MHZ-T](#)