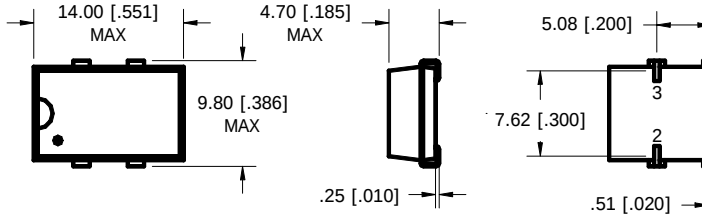
MDH Series

- **Plastic 4 J-Lead Package**
- **HCMOS**
- **Tri-state Function**
- **Tape and Reel Package Available**

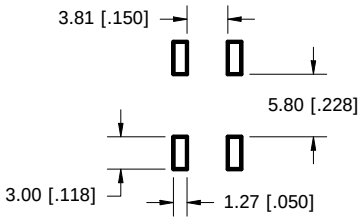
ELECTRICAL SPECIFICATIONS:

Frequency	1.000MHZ to 125.000MHZ			
Frequency Stability (Inclusive of Temperature, Load, Voltage, and Aging)	See Part Number Guide for Options			
Operating Temperature Range	See Part Number Guide for Options			
Storage Temperature Range	-55°C to +125°C			
Supply Voltage (Vdd)	+3.3VDC ±10%		+5.0VDC ±10%	
Supply Voltage	1.000MHZ - 25.000MHZ	10mA max	1.000MHZ – 30.000MHZ	9mA max
	25.000MHZ – 40.000MHZ	20mA max	30.000MHZ – 50.000MHZ	20mA max
	40.000 and above	30mA max	50.000 and above	30mA max
Output	HCMOS			
Logic "0"	10% Vdd max			
Logic "1"	90% Vdd min			
Symmetry (50% of waveform)	See Part Number Guide for Options			
Load	5 TTL Gates or 30pF Load max		10 TTL Gates or 50pF Load max	
Rise / Fall Time	10nSec max			
Start Time	10mSec max			
Tri-state Operation	Vih = 70% of Vdd min to Disable Output (High Impedance)			

MECHANICAL DETAILS:



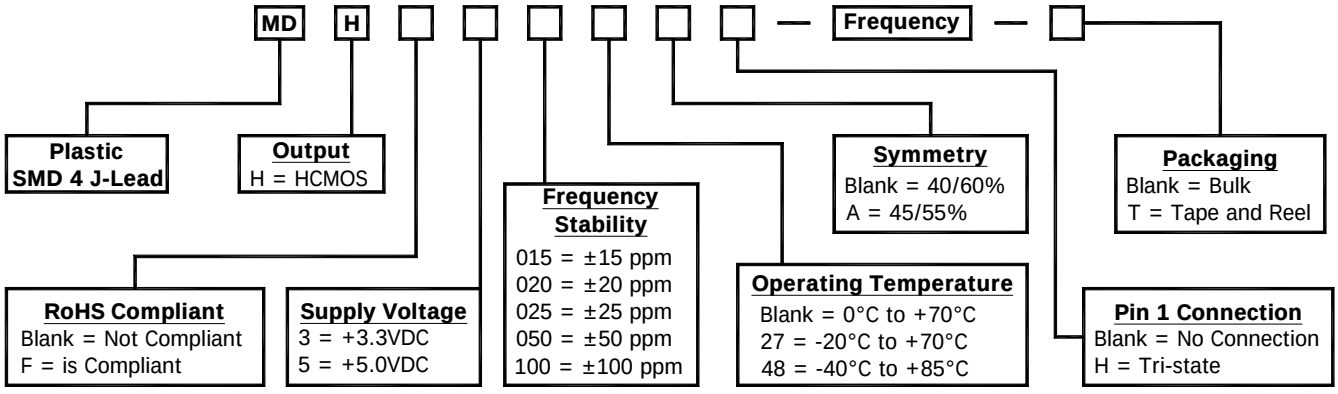
DIMENSION IN BRACKETS ARE IN INCHES
EXTERNAL BYPASS CAPACITOR IS RECOMMENDED



RECOMMENDED
LAND PATTERN

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

PART NUMBERING GUIDE:



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

MMD Components, 30400 Esperanza, Rancho Santa Margarita, CA, 92688
Phone: (949) 709-5075, Fax: (949) 709-3536, www.mmdcomp.com
Sales@mmdcomp.com