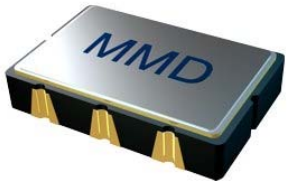
MIL and MIV Series – 5 x 7 Ceramic SMD Oscillator

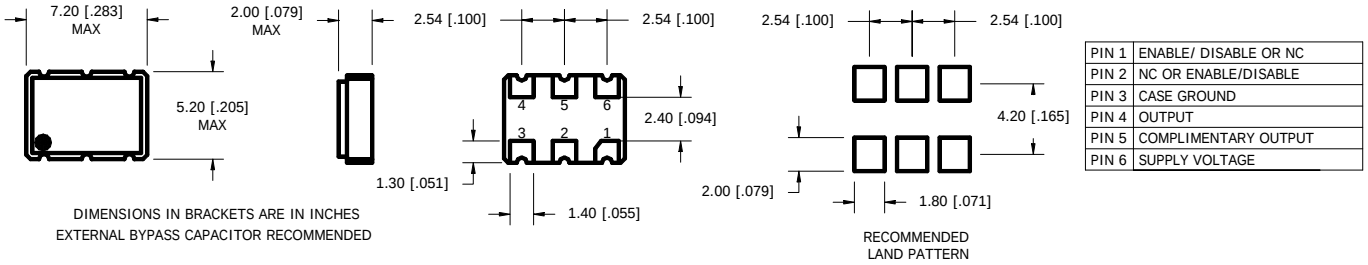
- **5mm x 7mm 6 Pads Ceramic Package**
- **RoHS Compliant**
- **Negative Enable Available**
- **Wide Frequency Range**
- **LVPECL or LVDS Output**



ELECTRICAL SPECIFICATION:

	LVPECL		LVDS	
Frequency	19.440 MHz to 1.000GHZ			
Frequency Stability	±20ppm* to ±100ppm Inclusive of Load, Voltage, and Aging *±20ppm 0°C to +70°C only			
Aging	±3ppm First Year max			
Operating Temperature Range	0°C - +70°C to -40°C - +85°C			
Storage Temperature Range	-55°C – +125°C			
Supply Voltage (Vdd)	+2.5 VDC ±5%	+3.3 VDC ±5%	+2.5 VDC ±5%	+3.3 VDC ±5%
Supply Current	65mA max	80mA max	45mA max	
Output Voltage Logic "0" (Vol)	Vdd - 1.620Vdc max		1.43V typ	
Output Voltage Logic "1" (Voh)	Vdd - 1.025Vdc min		1.10V typ	
Symmetry (at 50% of wave form)	40% / 60% or 45% / 55%			
Rise / Fall Time (20% to 80%)	1nSec max			
Jitter (RMS)	1pSec at 12k to 20.000MHZ			
Load Drive Capacity	50Ω		50Ω	
Enable / Disable Function				
Positive Enable / Disable	Vih = 70% of Vdd min to Enable Output Vil = 30% max or grounded to Disable Output (High Impedance)			
Negative Enable / Disable	Vih = 70% of Vdd min to Disable Output (High Impedance) Vil = 30% min or No Connect to Enable Outputs			

MECHANICAL DETAIL:

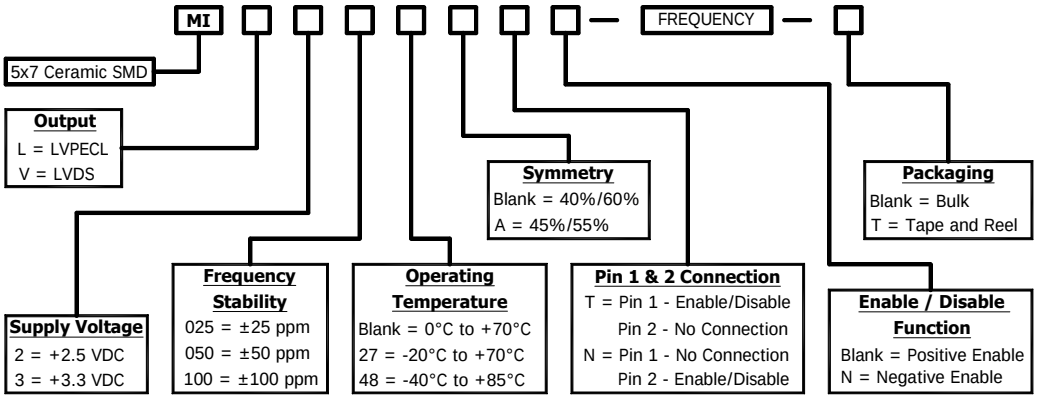


DIMENSIONS IN BRACKETS ARE IN INCHES
EXTERNAL BYPASS CAPACITOR RECOMMENDED

RECOMMENDED LAND PATTERN

PIN 1	ENABLE/ DISABLE OR NC
PIN 2	NC OR ENABLE/DISABLE
PIN 3	CASE GROUND
PIN 4	OUTPUT
PIN 5	COMPLIMENTARY OUTPUT
PIN 6	SUPPLY VOLTAGE

PART NUMBERING GUIDE:



Please Consult with MMD Sales Deparment 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