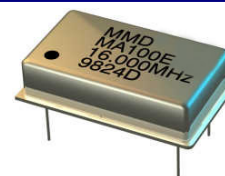


MAP, MAL, and MAV Series



- Industry Standard Package
- Wide Frequency Range
- RoHS Compliant Available
- Less than 1 pSec Jitter

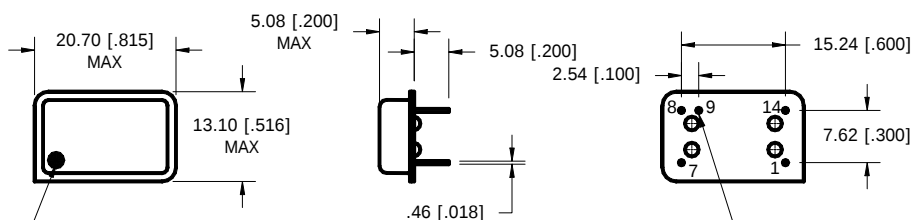


ELECTRICAL SPECIFICATION:

	LVDS	LVPECL	PECL
Frequency Range	12.500MHz to 800.000MHz		
Frequency Stability*	(See Part Number Guide for Options)		
Operating Temp. Range	(See Part Number Guide for Options)		
Storage Temp. Range	-55°C to +125°C		
Aging	±5 ppm / yr max		
Logic "0"	1.43V typ	Vdd - 1.620 VDC max	Vdd - 1.620 VDC max
Logic "1"	1.10V typ	Vdd- 1.025 vdc min	Vdd- 1.025 vdc min
Supply Voltage (Vdd) Supply Current	2.5VDC ± 5%	50 mA max	N/A
	3.3VDC ± 5%	60 mA max	N/A
	5.0VDC ± 5%	N/A	140 mA max
Symmetry (50% of waveform)	(See Part Number Guide for Options)		
Rise / Fall Time (20% to 80%)	2nSec max		
Load	50 Ohms into Vdd-2.00 VDC		
Start Time	10mSec max		
Phase Jitter (12kHz to 20MHz)	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)		

* Inclusive of Temp., Load, Voltage and Aging

MECHANICAL DIMENSIONS:

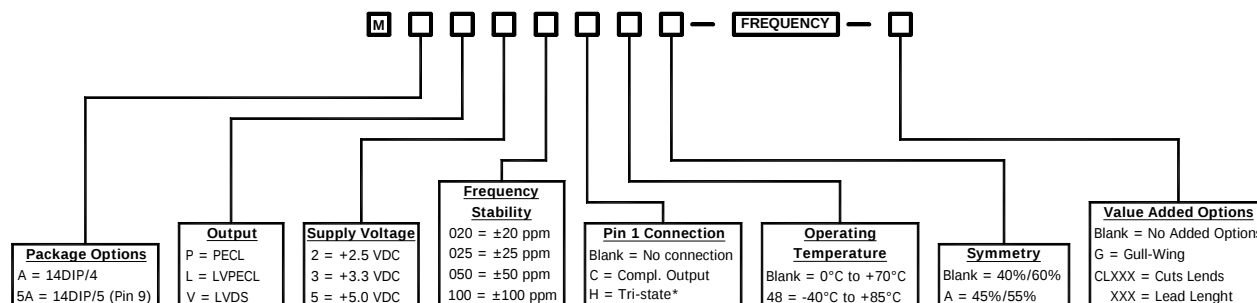


DIMENSIONS IN BRACKETS ARE IN INCHES
EXTERNAL BYPASS CAPACITOR IS RECOMMENDED

A PACKAGE OPTION	
PIN 1	NC, TRI-STATE OR COMPL. OUTPUT
PIN 7	CASE GROUND
PIN 8	OUTPUT
PIN 14	SUPPLY VOLTAGE

5A PACKAGE OPTION	
PIN 1	TRI-STATE
PIN 7	CASE GROUND
PIN 8	OUTPUT
PIN 9	COMPL. OUTPUT
PIN 14	SUPPLY VOLTAGE

PART NUMBERING GUIDE:



Please Consult with MMD Sales Department for any other Parameters or Options
* Pin 1 Connection must be Tri-state when using Pin 9 option.

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