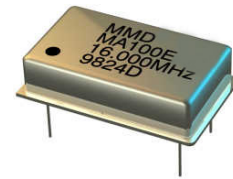


MAL and MAV Series



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

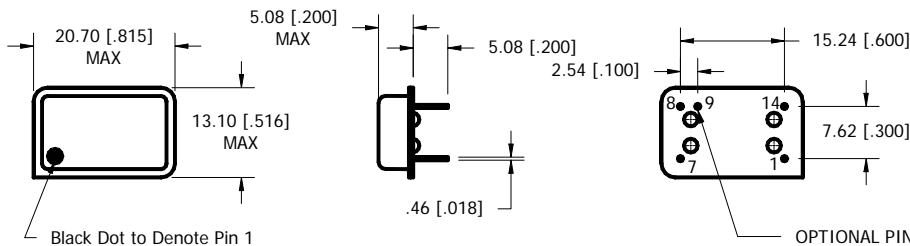


ELECTRICAL SPECIFICATION:

		LVDS	LVPECL
Frequency Range		70.000MHz to 622.080MHz	
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
Logic "1"		1.10V typ	Vdd - 1.025 vdc min
Load		50 Ohms into Vdd-2.00 VDC	
Supply Voltage (Vdd) /	2.5VDC ± 5%	50 mA max	50 mA max
Supply Current	3.3VDC ± 5%	60 mA max	60 mA max
Symmetry (50% of waveform)		(See Part Number Guide for Options)	
Rise / Fall Time (20% to 80%)		2nSec max	
Start Time		10mSec max	
Jitter (RMS)		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:

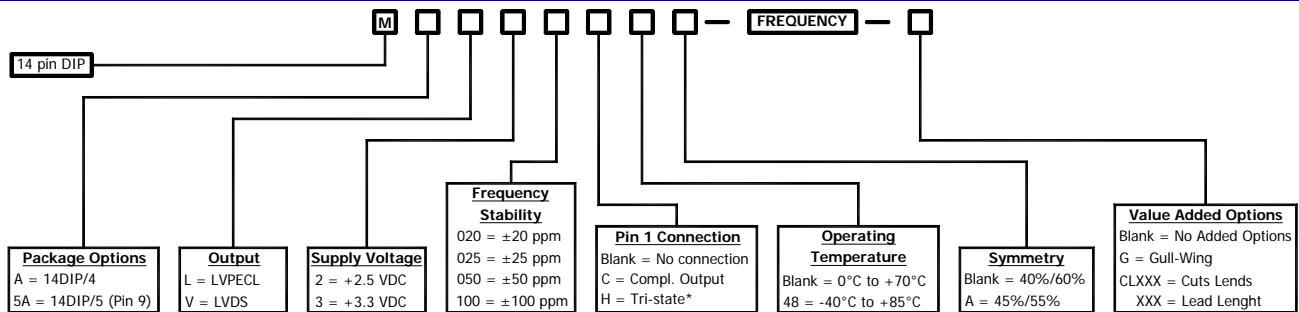


DIMENSIONS IN BRACKETS ARE IN INCHES
EXTERNAL BYPASS CAPACITOR IS RECOMMENDED

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.

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