

MAH Series



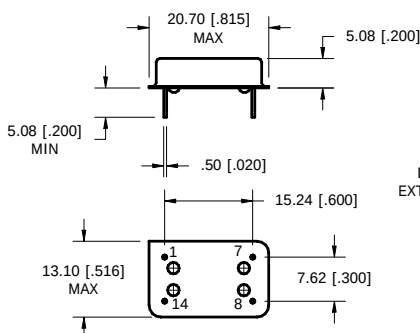
- Industry Standard Package
- RoHS Compliant Available
- HCMOS Output
- Wide Frequency Range



ELECTRICAL SPECIFICATIONS:

Frequency Range	5.000kHz to 200.000MHz
Frequency Stability (Inclusive of Temperature, Load, Voltage and Aging)	See Part Number Guide
Operating Temperature	See Part Number Guide
Storage Temperature	-55°C to +125°C
Waveform	HCMOS
Logic "0"	10% Vdd max
Logic "1"	90% Vdd min
Duty Cycle 50% OF Waveform	See Part Number Guide
Load	10 TTL Gates or 50pF max
Start Up Time	10mSec max
Rise/Fall Time	
Up to 70.000MHz	6 nSec max
Above 70.000MHz	4 nSec max
Supply Voltage (VDC ±10%) – Supply Current (in mA max)	
	+5.0 +3.3 +2.5/+1.8
5.000kHz to 1.000MHz	35 10 NA
1.001MHz to 24.000MHz	45 25 NA
24.001MHz to 50.000MHz	55 35 NA
50.001MHz to 70.000MHz	60 35 NA
70.001MHz to 200.000MHz	85 40 NA
24.000MHz to 30.000MHz	NA NA 20
30.001MHz to 80.000MHz	NA NA 40

MECHANICAL DETAILS:



PIN CONNECTIONS	
PIN 1	N/C OR TRI-STATE
PIN 7	CASE GROUND
PIN 8	OUTPUT
PIN 14	SUPPLY VOLTAGE

DIMENSIONS IN BRACKET ARE IN INCHES
EXTERNAL BYPASS CAPACITOR RECOMMENDED

TRI-STATE OPERATION	
PIN 1	PIN 8
LOGIC "1" OR N/C	OSCILLATION
LOGIC "0" OR GRD	HIGH IMPEDANCE

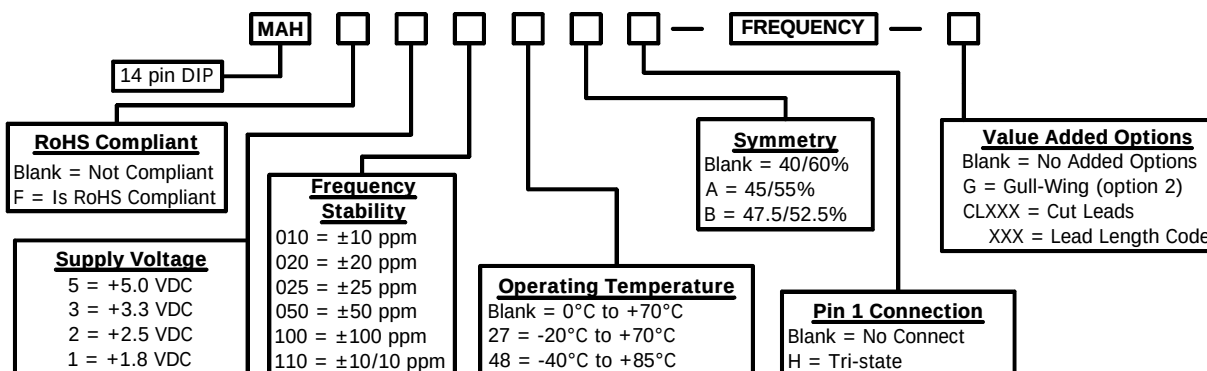
MARKING:

Line 1: MXX.XXX
XX.XXX = Frequency in MHz

Line 2: SYMMML
S = Internal Code
YYMM = Date Code (Year/Month)
L = Denotes RoHS Compliant

Line 3: XXXXX
Internal Manufacture Code

PART NUMBER 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