

# MAH Series



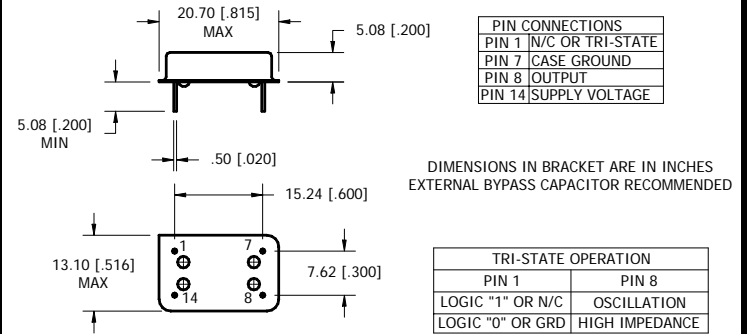
- Industry Standard Package
- RoHS Compliant Available
- HCMOS Output
- Wide Frequency Range



## 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               |      |           |
| <b>Rise/Fall Time</b>   |                          |      |           |
| Up to 70.000MHZ   | 6 nSec max               |      |           |
| Above 70.000MHZ   | 4 nSec max               |      |           |
| <b>Supply Voltage (VDC ±10%) – Supply Current (in mA max)</b>           |                          |      |           |
|   | +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:



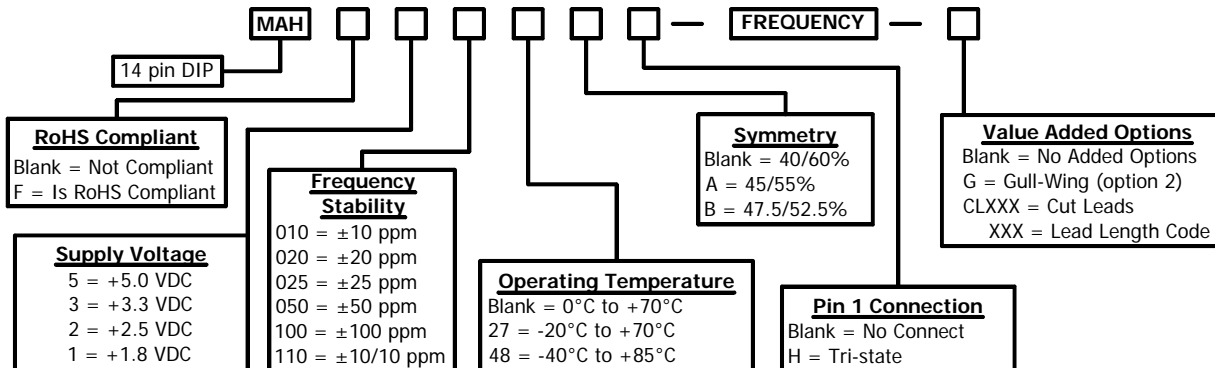
## MARKING:

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

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