MAH Series 14 Pin DIP Oscillator



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



Frequency Range		32.768 kHz to 200.000 MHz	
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	50pF max		
Start Up Time	10mSec max		
Rise/Fall Time	Up to 70.000MHZ		6 nSec max
	Above 70.000MHZ		4 nSec max
Standby Current Consumption	100μΑ		
Supply Voltage (VDC ±10%) – Supply Current (in mA max)	+5.0	+3.3	+2.5/+1.8
32.728kHz 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

Environmental & Mechanical Detail

Shock	MIL-STD-883, Method 2002 Cond B
Solderability	MIL-STD-883, Method 2003
Solvent Resistance	MIL-STD-202, Method 215
Vibration	MIL-STD-883, Method 2007, Cond A
Gross Leak Test	MIL-STD-883, Method 1014, Cond C
Fine Leak Test	MIL-STD-883, Method 1014, Cond A2
MSL	Level 1 per IPC/JEDEC J-STD 20

Marking Detail

Line 1 = MXXXXX		
=	MMD	
=	Frequency in MHZ	
Line 2 = SYYWWL		
=	Internal Code	
=	4 Numerical Digit Date	
	Code (Year / Week)	
=	Denotes RoHS Compliant	
Line 3 = XXXXX		
Internal use only		
May vary with lots		
	=	

QUALITY SYSTEM CERTIFIED = ISO 9001 = MMD Monitor/Quartztek

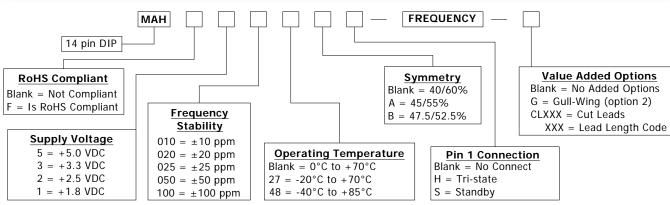
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Phone: (775) 851-8880, Fax: (775) 851-8882, <u>www.mmdcomp.com</u>



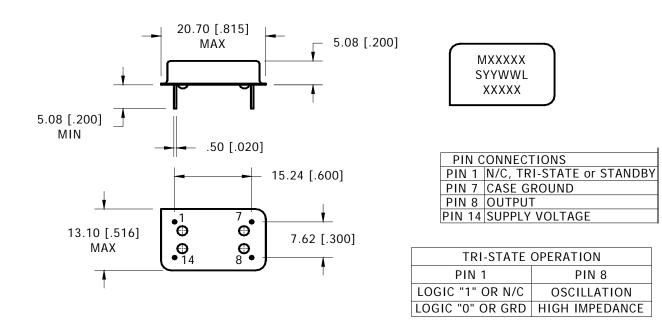
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Part Number Guide



PLEASE CONSULT WITH MMD SALES DEPARTMENT FOR ANY OTHER PARAMETERS OR OPTIONS

Mechanical Details



DIMENSIONS IN BRACKET ARE IN INCHES EXTERNAL BYPASS CAPACITOR RECOMMENDED

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