MBH Series

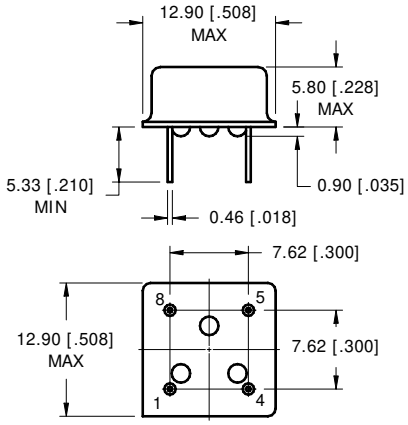
- Industry Standard Package
- RoHS Compliant Available
- Tri-state Function
- Wide Frequency Range

ELECTRICAL SPECIFICATIONS:

Frequency Range	3.000kHZ to 220.000MHz	
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	TTL	HCMOS
Logic "0"	0.5V max	10% Vdd max
Logic "1"	2.5V min	90% Vdd min
Duty Cycle	See Part Number Guide	
Load	10 TTL Gates or 50pF max	
Start Up Time	10mSec max	
Rise/Fall Time		
Up to 24.000MHz	10 nSec max	
24.001MHz to 70.000MHz	6 nSec max	
70.001MHz to 100.000MHz	4 nSec max	
100.001MHz to 220.000MHz	2 nSec max	

Supply Voltage (VDC ± 10%) – Supply Current (in mA max)			
	+5.0	+3.3	+2.5/+1.8
3.000kHz to 24.000MHz	20	10	NA
24.001MHz to 50.000MHz	30	20	NA
50.001MHz to 70.000MHz	50	25	NA
70.001MHz to 220.000MHz	60	35	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 4	Case Ground
Pin 5	Output
Pin 8	Supply Voltage

Dimension in Brackets are in Inches

External Bypass Capacitors Recommended

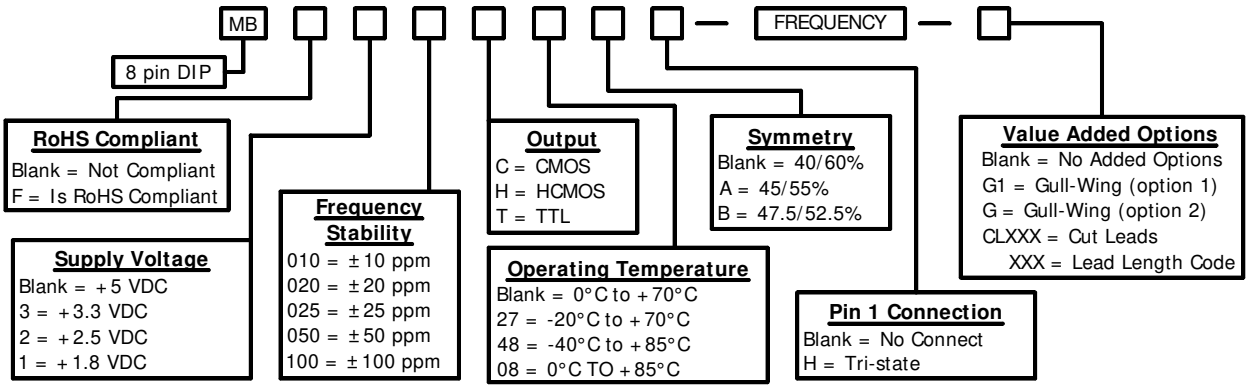
MARKING:

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

Line 2: SYYMML
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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