MTBH, MTBS, and MTBZ Series

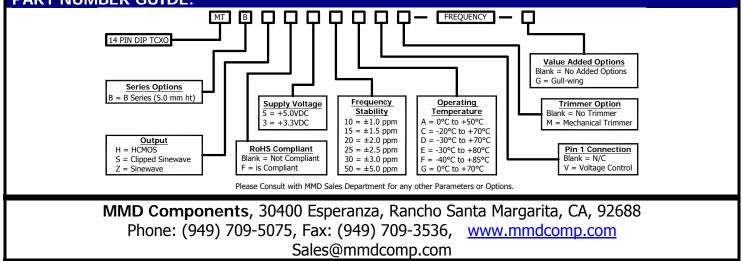


- Industry Standard Package
- ➤ +3.30VDC or +5.00VDC
- > RoHS Compliant Available
- > Up to 800.000MHZ

ELECTRICAL SPECIFICATIONS:

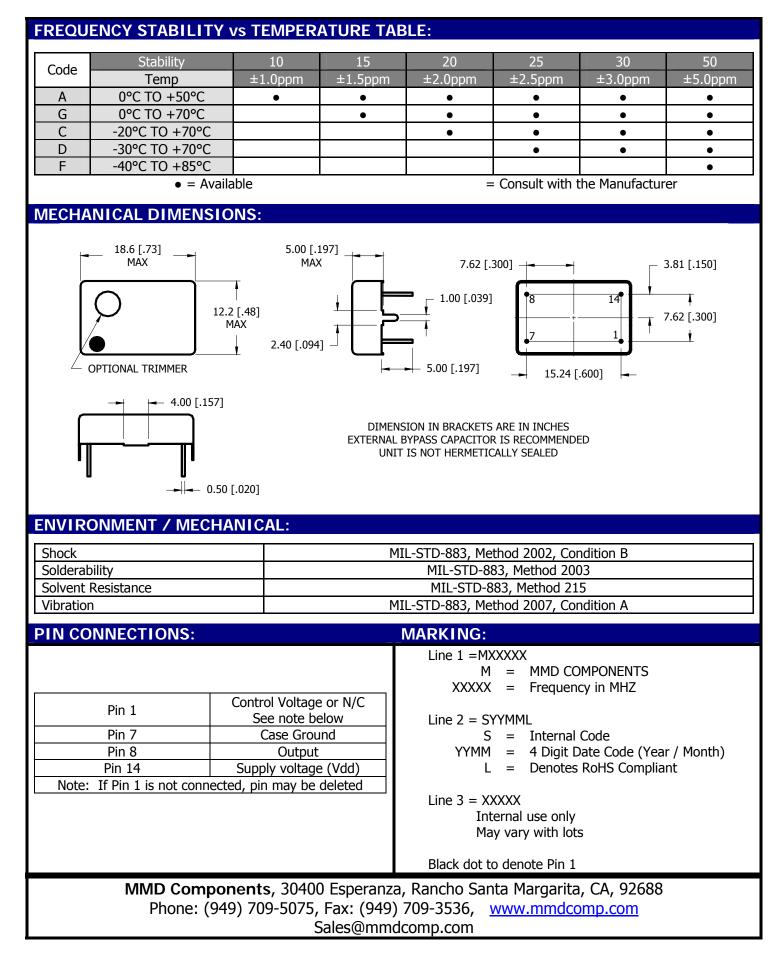
| Output | | HCMOS | Clipped Sinewave | Sinewave |
|--------------------------------------|----------------------------|---|-------------------------|---------------------------|
| Frequency | Fund or 3 rd OT | 1.000KHZ to 180.000MHZ | 1.000KHZ to 180.000MHZ | 1.000KHZ to 180.000MHZ |
| Range | PLL | 75.000KHZ to 200.000MHZ | 75.000KHZ to 800.000MHZ | 75.000KHZ to 800.000MHZ |
| Load | | 10k Ohms // 15pF | 10k Ohms // 15pF | 50 Ohms |
| Supply Current | | 35mA max | 3mA max | 35mA max |
| Output Level | | Logic "1" = 90% of Vdd min Logic "0" = 10% of Vdd max | 1.0V p-p min | 0 dBm min |
| Symmetry | | 40%/60% at 50% of Waveform | N/A | N/A |
| Freq. Stability vs Temp (Note 1) | | (See Frequency Stability vs Temperature Table) | | |
| Freq. Stability vs Aging | | ±1 ppm per year max | | |
| Freq. Stability vs Voltage | | ±0.3 ppm with a 5% change in Vdd | | |
| Freq. Stability vs Load | | ±0.3 ppm with a 10% change in Load | | |
| Storage Temperature | | -40°C to +85°C | | |
| Supply Voltage (Vdd) | | +3.3VDC ±5% | | +5.0VDC ±5% |
| Control Voltage with VC option | | +1.65VDC ±1.50VDC Positive Slope +2.50VD | | C ±2.00VDC Positive Slope |
| Pin 1 Connectio | n | | | |
| No Connection | | No Connection | | |
| VC Option | | ±10 ppm min | | |
| Mechanical Trimmer when Specified | | ±3 ppm min If no mechanical trimmer is specified, trimmer may still be present depending on frequency stability option. | | |

PART NUMBER GUIDE:



Specifications subject to change without notice

MMD



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