MTAH, MTAS, and MTAZ Series



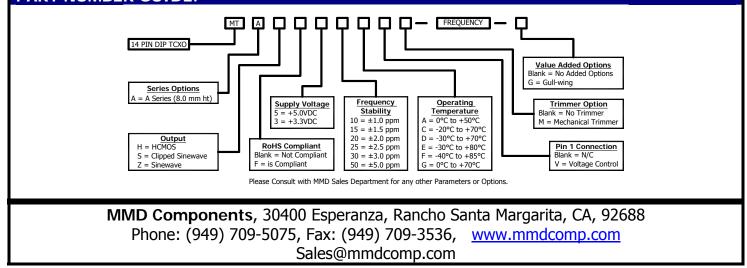
- > Industry Standard Package
- ➤ +3.30VDC or +5.00VDC
- > RoHS Compliant Available
- > Up to 800.000MHZ

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 Temper	ature		-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 +2.50V		C ±2.00VDC Positive Slope
Pin 1 Connection	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.		

Note 1: If no mechanical trimmer, oscillator frequency shall be ± 1 ppm at $\pm 25^{\circ}C \pm 3^{\circ}C$ at time of shipment.

PART NUMBER GUIDE:



MMD

