MTEH, MTES, and MTEZ TCXO Series



- > Industry Standard Package
- RoHS Compliant Available
- Stability Available to ±1 ppm
- Operating Voltage +3.3VDC or +5.0VDC
- Voltage Control Option

ELECTRICAL SPECIFICATIONS:

| Frequency Range Load Supply Current | 1.000MHZ to 160.000MHZ 10k Ohms // 15pF 35mA max | 8.000MHZ to 160.000MHZ 10k Ohms // 15pF | 8.000MHZ to 160.000MHZ 50 Ohms |
|---|--|--|-----------------------------------|
| Supply Current | 35mA max | | 50 Ohms |
| | | | <u> </u> |
| Output Loval | | 3mA max | 25mA max |
| Output Level | Logic " $1'' = 90\%$ of Vdd min Logic " $0'' = 10\%$ of Vdd max | 1.0V p-p min | 7 dBm |
| 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 +2.50VDC | | C ±2.00VDC Positive Slope |
| Pin 1 Connection | | | |
| No Connection | No Connection | | |
| VC Option | ±10 ppm min | | |

Mechanical Trimmer





