

# MTCO31 Series Dual In Line Package Temperature Compensated Crystal Oscillators (TCXO)

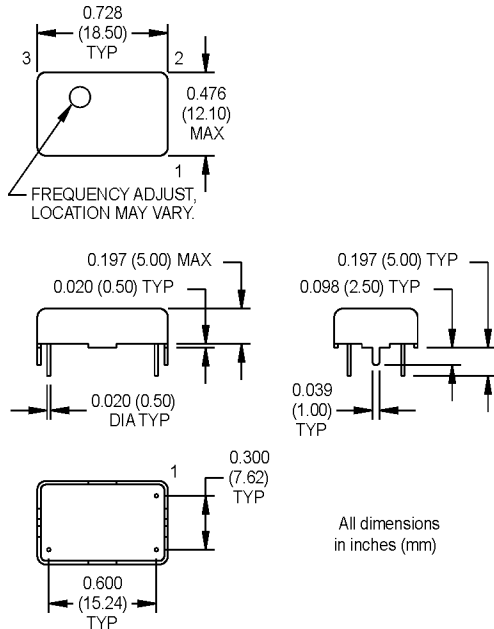


## Features:

- 14 Pin DIP Compatible
- Tight Stability Over Wide Temperature

## Applications

- PCS, Cellular Equipment
- Communications Equipment
- Portable Equipment



## Electrical Specifications

PARAMETERS	VALUE
Frequency Range	8.000 to 20.000 MHz
Stability	±2.5 ppm
Stability with ±5% Vcc Change	±0.2 ppm
Aging	±1 ppm/yr. Max.
Operating Temperature	-20°C to +75°C
Output (Clipped Sinewave)	1.0 V p-p Min.
Output Load <sup>1</sup>	10K Ω    10 pF
Frequency Adjustment (Int. Trimmer)	±3 ppm Min.
Supply Voltage	+5.0 V ±5%
Supply Current	2 mA Max.

<sup>1</sup> See load circuit diagram #7 on page 137.  
See page 136 for suggested soldering conditions.

## Pin Connections

PIN	FUNCTION
1	Circuit/Case Ground
2	Output
3	+Vcc