

# MTCVO31 Series Temperature Compensated Voltage Controlled Crystal Oscillators (TCVCXO)

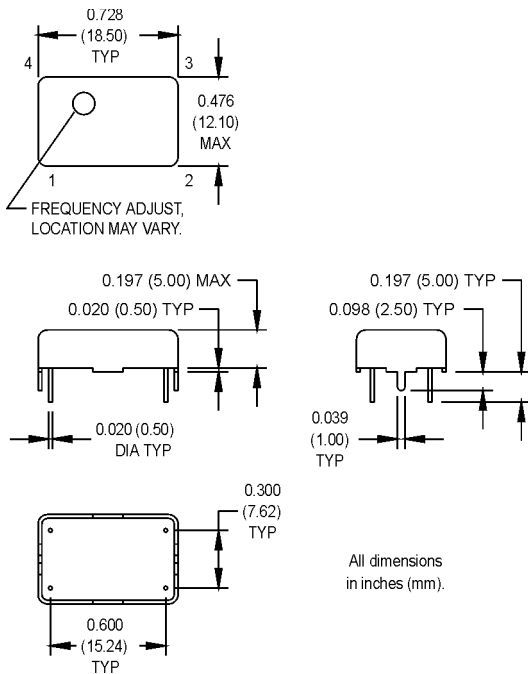


## Features:

- 14 Pin DIP Compatible
- Tight Stability Over Wide Temperature
- Voltage Control

## Applications

- PCS, Cellular Equipment
- Communications Equipment
- Portable Equipment



## Electrical Specifications

PARAMETERS	VALUE
Frequency Range	9.600 to 32.000 MHz
Stability	±2.5 ppm
Stability with ±5% Vcc Change	±0.3 ppm
Aging	±1 ppm/yr. Max.
Operating Temperature	-30°C to +75°C
Storage Temperature	-40°C to +85°C
Output (Clipped Sinewave)	1.0 V p-p Min.
Output Load	10K Ω    10 pF
Frequency Adjustment (Int. Trimmer)	±3 ppm Min.
Control Range	±8 ppm to ±15 ppm
Control Voltage	2.5 V ±2.0 V
Supply Voltage	+5.0 V ±5%
Supply Current	2 mA Max.

See page 112 for suggested soldering conditions.

## Pin Connections

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

M-tron reserves the right to make changes to the product(s) and service(s) described herein without notice. No liability is assumed as a result of their use or application. No rights under any patent accompany the sale of such product.

M-tron Industries, Inc., PO Box 630, Yankton, SD 57078-0630, USA Phone: 605-665-9321 or 1-800-762-8800 Fax: 605-665-1709 Website: www.mtron.com  
 M-tron Industries Limited, 1104 Shanghai Industrial Investment Building, 48-62 Hennessy Road, Wanchai, Hong Kong, China Phone: 852-2866-8023 Fax: 852-2529-1822