

# MTCO25A Series Surface Mount Temperature Compensated Crystal Oscillators (TCXO)

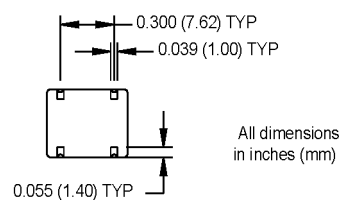
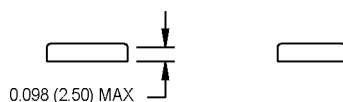
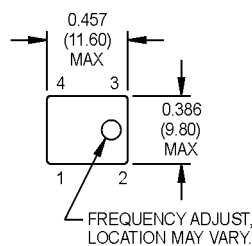


## Features:

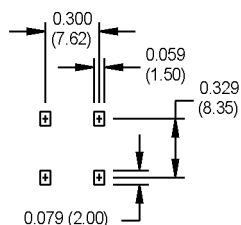
- Miniature Size
- Leadless SMT Standard Footprint
- Low Power 3 Volt Operation

## Applications:

- PCS/Cellular Phones
- Communications Equipment
- Portable Equipment



## SUGGESTED SOLDER PAD LAYOUT



## Electrical Specifications

PARAMETERS	VALUE
Frequency Range	12.600 to 19.800 MHz
Stability	±2.5 ppm
Stability with ±5% V <sub>cc</sub> Change	±0.3 ppm
Aging	±1 ppm/yr. Max.
Operating Temperature	-10°C to +60°C
Storage Temperature	-40°C to +85°C
Output (Clipped Sinewave)	0.8 V p-p Min.
Output Load <sup>1</sup>	10K Ω    10pF
Frequency Adjustment (Int. Trimmer)	±2 ppm Min.
Supply Voltage	+3V ±5%
Supply Current	2 mA Max.

<sup>1</sup> See load circuit diagram #7 on page 137.  
See page 136, Figure "2" for suggested solder profile.

## Pin Connections

PIN	FUNCTION
1	N/C
2	Ground
3	Output
4	+V <sub>cc</sub>

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