

SPECIFICATION FOR RoHS COMPLIANT SMT OSCILLATOR

MtronPTI P/N: M2250S010

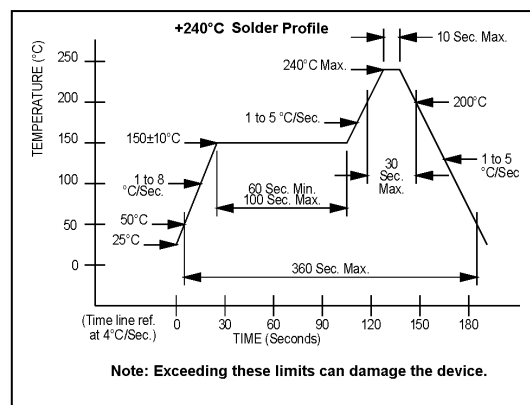
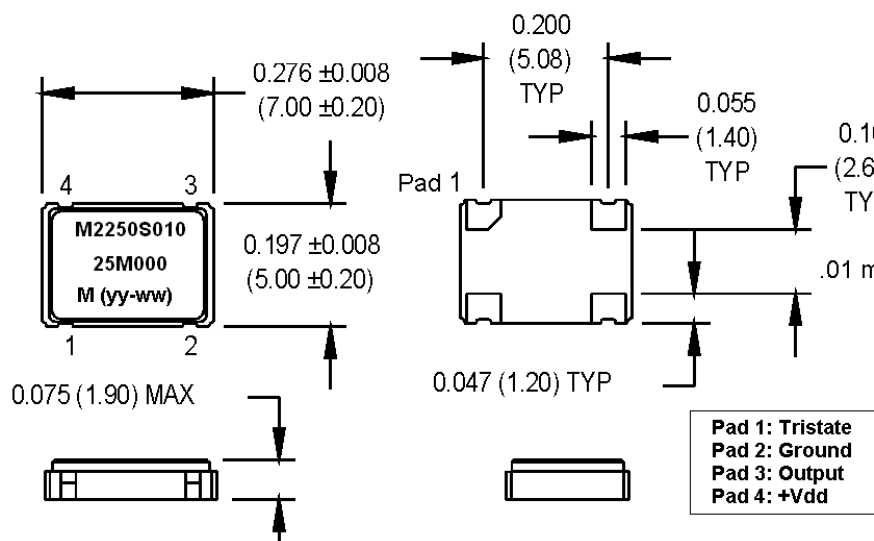
I. GENERAL & ELECTRICAL REQUIREMENTS:

1. FREQUENCY: 25.000000 MHz
2. FREQUENCY STABILITY: ± 50 ppm (Includes initial tolerance, deviation over temperature, shock, vibration, aging).
3. OPERATING TEMPERATURE RANGE: -20°C to $+70^{\circ}\text{C}$
4. OPERATING VOLTAGE (V_{cc}): $2.5\text{ V} \pm 5\%$
5. OPERATING CURRENT: 30 mA max.
6. OUTPUT TYPE: HCMOS Compatible
7. SYMMETRY: 40/60% ref. to $\frac{1}{2} V_{dd}$
8. RISE/FALL TIME: 6 nS max. ref. 10% to 90% V_{dd}
9. OUTPUT LOGIC LEVELS: $V_{OL} = 10\% V_{dd}$ max. $V_{OH} = 90\% V_{dd}$ min.
10. OUTPUT LOAD: 15 pF max.
11. TRISTATE FUNCTION (Pad 1): Logic "1" or "floating", clock signal output
Logic "0", output disables to high impedance state
12. START-UP TIME: 10 mS max.

II. ENVIRONMENTAL/MECHANICAL REQUIREMENTS:

1. SHOCK: MIL-STD-202, Method 213, Condition C.
2. VIBRATION: MIL-STD-202, Methods 201 & 204.
3. HERMETICITY: 1×10^{-8} atm cc/sec min.
4. STORAGE TEMPERATURE: -55°C to $+125^{\circ}\text{C}$
5. SOLDERABILITY: Per EIAJ-STD-002
6. MAXIMUM SOLDERING CONDITIONS: See figure 1.
7. PACKAGE: 4-pad leadless ceramic $5.0 \times 7.0 \times 1.9$ mm.

DIMENSIONS



SUGGESTED SOLDER PAD LAYOUT

