



SPECIFICATION FOR SMT OSCILLATOR MtronPTI P/N M2002S707

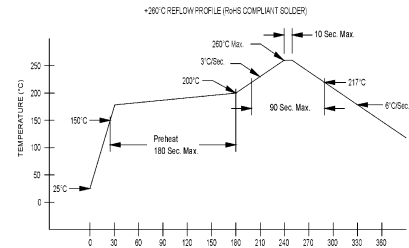
I. GENERAL & ELECTRICAL REQUIREMENTS:

1. FREQUENCY OF OPERATION: 33.333000 MHz
2. FREQUENCY STABILITY: ± 50 ppm max. (Includes initial tolerance, deviation over operating temperature, voltage, and aging).
3. OPERATING TEMPERATURE RANGE: -40°C to $+85^{\circ}\text{C}$
4. OPERATING VOLTAGE: $3.3\text{ V} \pm 10\%$
5. OPERATING CURRENT: 40 mA max.
6. OUTPUT TYPE: HCMOS/TTL Compatible
7. SYMMETRY: 45/55% ref. to $\frac{1}{2} V_{dd}$
8. RISE/FALL TIME: 6 nS max. ref. 10% to 90% Vdd
9. OUTPUT LOGIC LEVELS: $V_{OL} = 10\% V_{dd}$ max. $V_{OH} = 90\% V_{dd}$ min.
10. OUTPUT LOAD: 50 pF max.
11. TRISTATE FUNCTION (Pad 1): Logic "high" or "floating", clock signal output
Logic "low", output disables to high impedance state

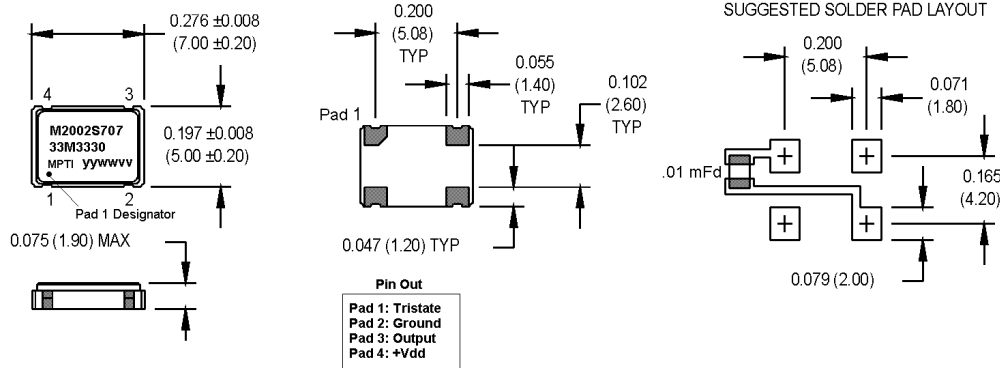
II. ENVIRONMENTAL & MECHANICAL REQUIREMENTS:

1. SHOCK: MIL-STD-202, Method 213, Condition C.
2. VIBRATION: MIL-STD-202, Methods 201 & 204.
3. HERMETICITY: $1\text{X } 10^{-8}$ 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 package. RoHS compliant.

Figure 1



III. DIMENSIONS:



IV. DATA SHEET REVISION TABLE:

Date	Rev.	PCN	Details of Revision
4/17/07	0	N/A	Original release.