

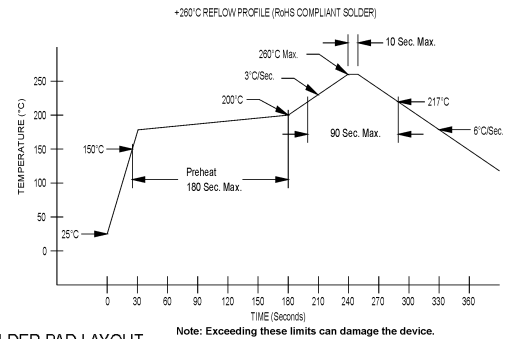
SPECIFICATION FOR SMT OSCILLATOR MtronPTI P/N M2002S291

2. FREQUENCY STABILITY: ± 50 ppm max.
3. OPERATING TEMPERATURE RANGE: -20°C to $+70^{\circ}\text{C}$
4. OPERATING VOLTAGE (Vdd): $3.3\text{ V} \pm 0.3\text{V}$
5. OPERATING CURRENT: 20 mA max.
6. OUTPUT TYPE: HCMOS/TTL Compatible
7. SYMMETRY: 40/60% ref. to $\frac{1}{2}$ Vdd
8. RISE/FALL TIME: 3 nS max. ref. 0.8 V and 2.0 V
9. OUTPUT LOGIC LEVELS: $V_{OL} = 10\%$ Vdd max. $V_{OH} = 90\%$ Vdd min.
10. OUTPUT LOAD: 20 pF max.
11. TRISTATE FUNCTION (Pad 1): Logic level "1", or floating enables the output.
 Logic level "0" disables output to a high impedance state.
12. JITTER: RANDOM 4pS TYPICAL (10pS MAX.)

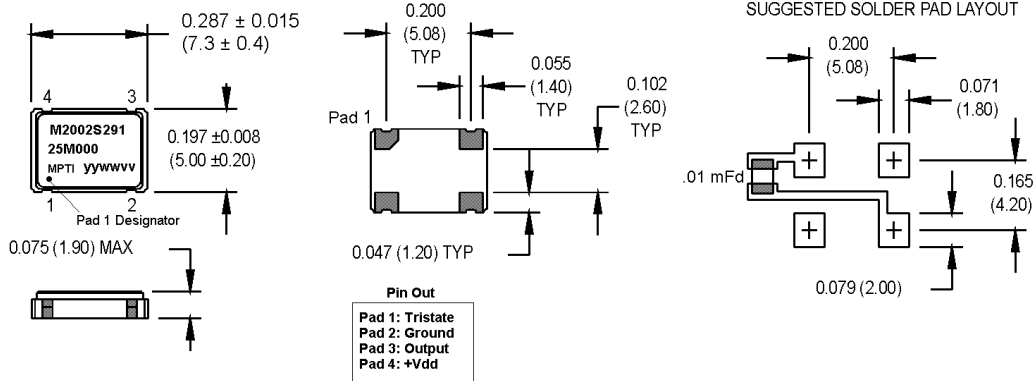
II. ENVIRONMENTAL & MECHANICAL REQUIREMENTS:

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 package. RoHS compliant.

Figure 1



III. DIMENSIONS:



IV. DATA SHEET REVISION TABLE:

Date	Rev.	PCN	Details of Revision
9/2/04	0	N/A	Original release.
9/13/04	A	N/A	Changed Output load to 20 pF max. Added RoHS compliance information. Supersedes 9/2/04 release.
7/2/08	B	N/A	Added Jitter information per customer request.