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SPECIFICATION FOR SMT OSCILLATOR
MtronPTI P/N M2002S534

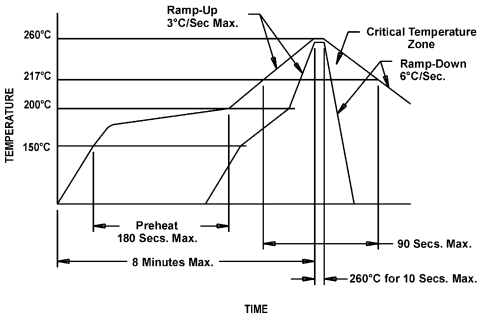
I. GENERAL & ELECTRICAL REQUIREMENTS:

1. FREQUENCY OF OPERATION: 75.033000 MHz
2. FREQUENCY STABILITY: ± 50 ppm max.
3. FREQUENCY VS. AGING: ± 3 ppm first year typical. ± 2 ppm/year typical thereafter.
4. OPERATING TEMPERATURE RANGE: -40°C to +85°C
5. OPERATING VOLTAGE: 3.3 V ± 0.3V
6. OPERATING CURRENT: 55 mA max.
7. OUTPUT TYPE: HCMOS/TTL Compatible
8. SYMMETRY: 45/55% ref. to ½ Vdd
9. RISE/FALL TIME: 4.0 nS max. ref. 10% to 90% Vdd
10. OUTPUT LOGIC LEVELS: V_{OL} = 10% Vdd max. V_{OH} = 90% Vdd min.
11. OUTPUT LOAD: 15 pF/2 TTL max.
12. RANDOM JITTER: 12 pS RMS max.
13. TRISTATE FUNCTION (Pad 1): Logic "high" or "floating", clock signal output
    Logic "low", output disables to high impedance state.
14. START-UP TIME: 10 mS max.

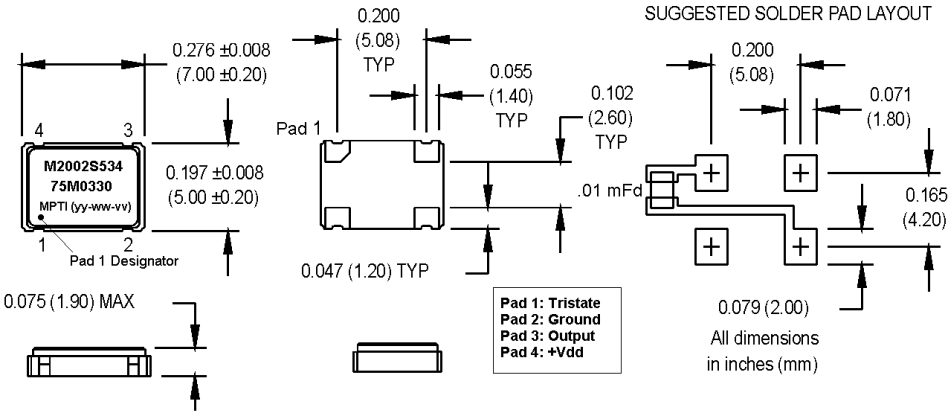
II. ENVIRONMENTAL & MECHANICAL REQUIREMENTS:

1. SHOCK: MIL-STD-202, Method 213, Condition C.
2. VIBRATION: MIL-STD-202, Methods 201 & 204.
3. HERMETICITY: 1 X 10^{-8} atm cc/sec min.
4. STORAGE TEMPERATURE: -55°C to +125°C
5. SOLDERABILITY: Per EIAJ-STD-002
6. REFLOW SOLDER CONDITIONS: See Figure 1
7. PACKAGE: 4 - Pad leadless ceramic package.
   Tin-lead (SnPb) solder dipped pads.

Figure 1



III. DIMENSIONS:



IV. DATA SHEET REVISION TABLE:

Date	Rev.	PCN	Details of Revision
1/13/06	0	N/A	Original release.
3/21/08	A	N/A	Added Raytheon P/N reference. Supersedes 1/13/06 release.