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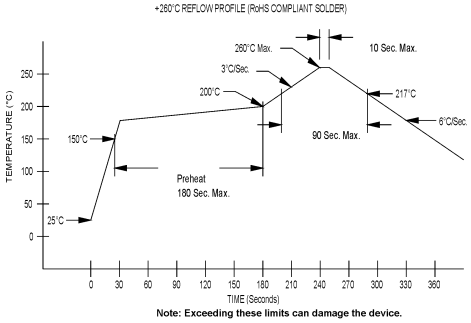
SPECIFICATION FOR SMT OSCILLATOR
MtronPTI P/N M2002S488

I. GENERAL & ELECTRICAL REQUIREMENTS:

1. FREQUENCY OF OPERATION: 10.000000 MHz
2. FREQUENCY STABILITY: ± 50 ppm max. (Includes initial tolerance and deviation over temperature)
3. OPERATING TEMPERATURE RANGE: -55°C to +125°C
4. OPERATING VOLTAGE (Vdd): 3.3 V ± 0.3 V
5. OPERATING CURRENT: 10 mA max.
6. OUTPUT TYPE: HCMOS Compatible
7. SYMMETRY: 40/60% ref. to ½ Vdd
8. RISE/FALL TIME: 6 nS max. ref. 10% to 90% Vdd
9. OUTPUT LOGIC LEVELS: V_{OL} = 10% Vdd max. V_{OH} = 90% Vdd min.
10. OUTPUT LOAD: 15 pF max.

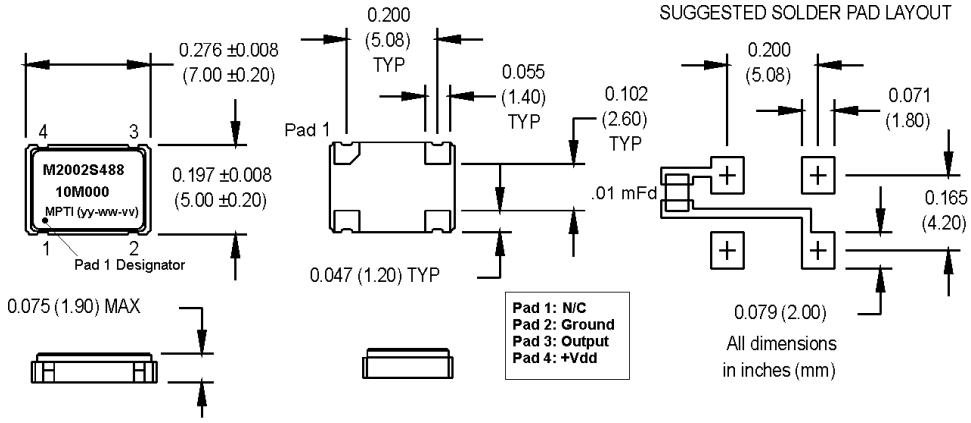
Figure 1



II. ENVIRONMENTAL & MECHANICAL REQUIREMENTS:

1. SHOCK: MIL-STD-202, Method 213, Condition F, 1500 g. 0.5 mS.
2. VIBRATION: MIL-STD-202, Methods 201 & 204, Condition D, 20 g.
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. MAXIMUM SOLDERING CONDITIONS: See Figure 1
7. PACKAGE: 4 - pad leadless ceramic. RoHS compliant.

III. DIMENSIONS:



IV. DATA SHEET REVISION TABLE:

Date	Rev.	PCN	Details of Revision
11/14/05	0	N/A	Original release.
12/7/05	A	N/A	Removed tristate function from package drawing. Supersedes 11/14/04 release.
6/7/06	B	N/A	Changed Maximum Soldering Conditions Figure 1. Supersedes 12/7/05 release.
69//06	C	N/A	Changed Rise/Fall time to 5 ns max. Supersedes 6/7/06 release.
11/28/06	D	N/A	Changed Rise/Fall Time back to 6 ns max. Added Shock & Vibration details. Supersedes 6/9/06 release.