

## SPECIFICATION FOR SMT CRYSTAL MtronPTI P/N M1001S182

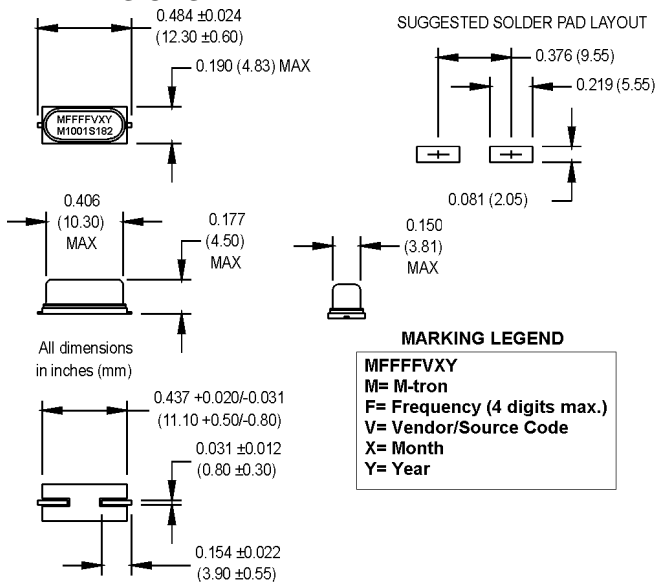
### I. GENERAL & ELECTRICAL REQUIREMENTS:

1. MODE OF OSCILLATION: Fundamental AT-Cut Crystal
2. FREQUENCY OF OPERATION: 25.000000 MHz
3. FREQUENCY TOLERANCE @ +25°C: ± 30 ppm max.
4. FREQUENCY STABILITY OVER TEMPERATURE: ± 50 ppm max.
5. OPERATING TEMPERATURE RANGE: -40°C to +85°C
6. EFFECTIVE SERIES RESISTANCE (ESR): 50 ohms max.
7. LOAD CAPACITANCE: 18 pF
8. SHUNT CAPACITANCE: 7.0 pF max.
9. AGING: ± 5 ppm/yr. max.
10. DRIVE LEVEL: 500 μW max. 50 μW min. 100 μW typical

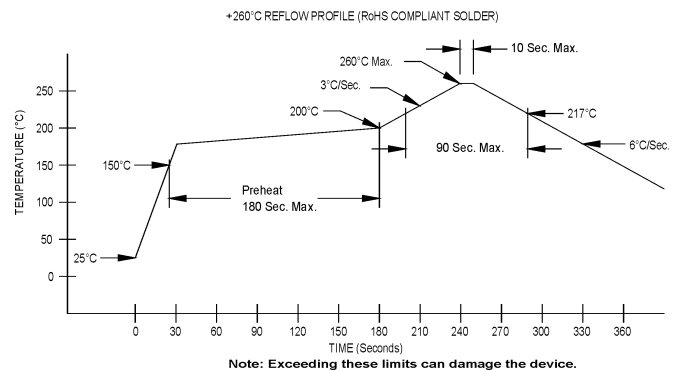
### II. ENVIRONMENTAL & MECHANICAL REQUIREMENTS:

1. SHOCK: Per MIL-STD-202, Method 213, Condition C
2. VIBRATION: Per MIL-STD-202, Method 201 & 204
3. HERMETICITY: 1X 10<sup>-8</sup> atm cc/sec min.
4. MAXIMUM SOLDERING CONDITIONS: See figure 1.
5. SOLDERABILITY: Per EIAJ-STD-002
6. PACKAGE: HC-49U/S-SMD. RoHS compliant.

### III. DIMENSIONS:



**Figure 1**



### IV. DATA SHEET REVISION TABLE:

Date	Rev.	PCN	Details of Revision
1/13/05	0	N/A	Original release.
6/17/08	A	N/A	Updated Solder Reflow Information. Supersedes 1/13/05 release.