

SPECIFICATION FOR SMT CRYSTAL MtronPTI P/N M1007S113

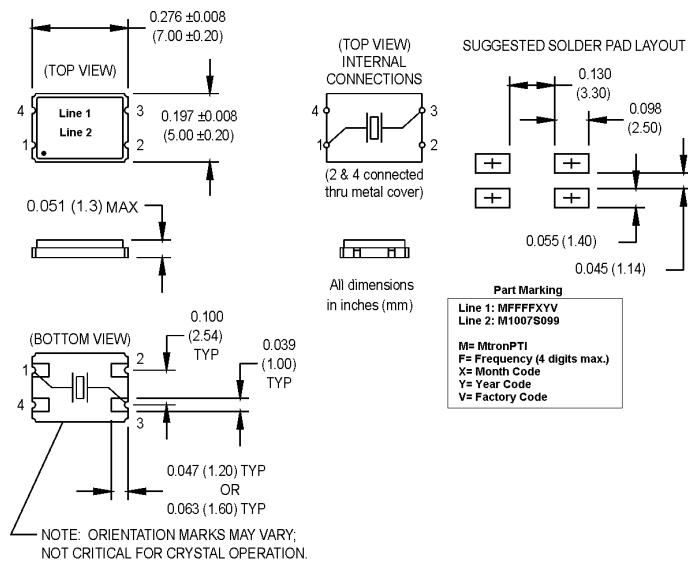
I. GENERAL & ELECTRICAL REQUIREMENTS:

1. MODE OF OSCILLATION: Fundamental AT-Cut Crystal
2. FREQUENCY OF OPERATION: 25.000000 MHz
3. FREQUENCY TOLERANCE @ +25°C: ±20ppm maximum
4. FREQUENCY STABILITY OVER TEMPERATURE: ± 30ppm maximum
5. EQUIVALENT SERIES RESISTANCE (ESR): 50Ω maximum
6. LOAD CAPACITANCE: 18pF
7. SHUNT CAPACITANCE: 7.0pF maximum
8. AGING: ± 5ppm/year maximum
9. DRIVE LEVEL: 1.0μW minimum, 100μW maximum

II. ENVIRONMENTAL & MECHANICAL REQUIREMENTS:

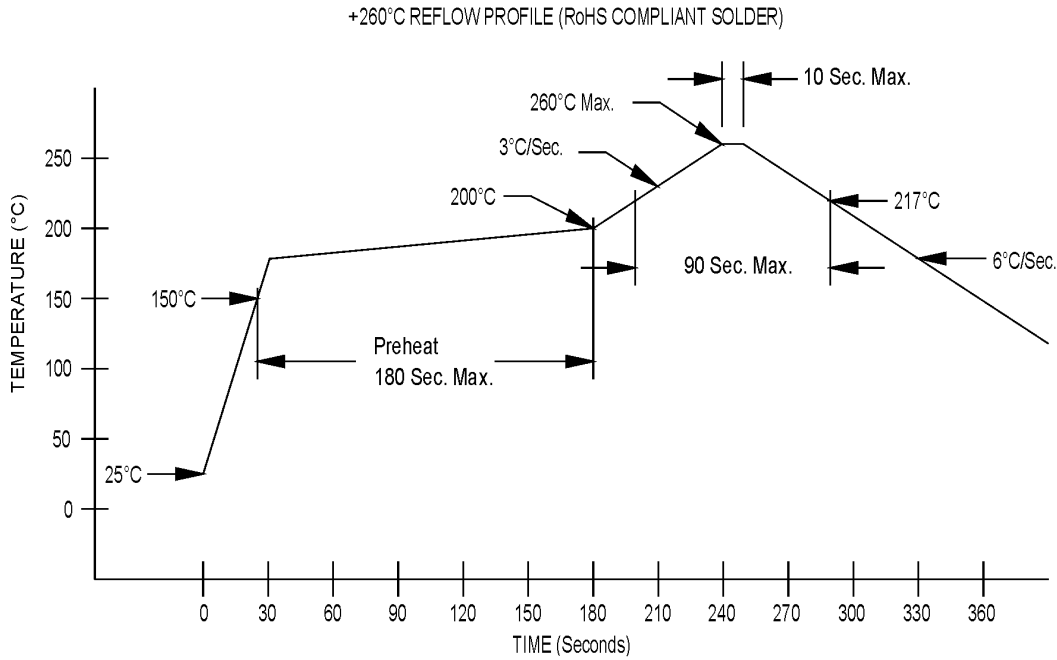
1. TEMPERATURE RANGE
 Operating: -40°C to +85°C
 Storage: -55°C to +125°C
2. SHOCK: Per MIL-STD-202, Method 213, Condition C
3. VIBRATION: Per MIL-STD-202, Method 201 & 204
4. INSULATION RESISTANCE: @ 50VDC, > 500MΩ
5. HERMETICITY
 Fine Leak: 1x10⁻⁸ atm cc/sec minimum
 Gross Leak: Per MIL-STD-002
6. SOLDERABILITY: Per EIAJ-STD-002
7. PACKAGE: 4- pad – 5.0 x 7.0 x 1.3 mm leadless ceramic
 RoHS Compliant.

III. DIMENSIONS:



SPECIFICATION FOR SMT CRYSTAL MtronPTI P/N M1007S113

III. REFLOW PROFILE:



IV. DATA SHEET REVISION TABLE:

Date	Rev.	PCN	Details of Revision
11/03/08	B	N/A	Added Harris RF Communications P/N as a Cross Reference
9/22/08	A	N/A	Correct Frequency Stability Over Temperature
09/18/08	0	N/A	Original release.