

SPECIFICATION FOR PULLABLE HC-49U/N-SMD CRYSTAL

MtronPTI P/N M1006S028

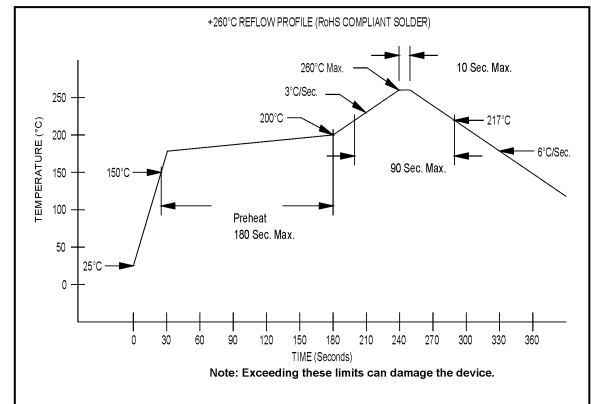
I. GENERAL & ELECTRICAL REQUIREMENTS:

1. MODE OF OSCILLATION: Fundamental AT-Cut Crystal
2. FREQUENCY (Fo): 16.384000 MHz
3. FREQUENCY TOLERANCE @ +25°C: ± 20 ppm
4. FREQUENCY STABILITY OVER TEMPERATURE: ± 30 ppm
5. OPERATING TEMPERATURE RANGE: -40°C to +85°C
6. STORAGE TEMPERATURE: -55°C to +125°C
7. EFFECTIVE SERIES RESISTANCE (ESR): 25 Ohms max.
8. LOAD CAPACITANCE: 14 pF
9. SHUNT CAPACITANCE: 7.0 pF max.
10. SPURIOUS RESPONSE: > 3 dB from Fo to Fo +5000 ppm
11. THIRD OVERTONE SPURIOUS MODES: <49.147085 MHz and > 49.156915 MHz (CL=14 pF)
 Fo=16.384000 MHz ± 100 ppm min
12. Co/C1 RATIO: 250 max.
13. AGING: ± 5 ppm/yr. max. first year. ± 20 ppm max. for 10 yrs.
14. DRIVE LEVEL: 2 mW max. , 100 µW for correlation

II. ENVIRONMENTAL & MECHANICAL REQUIREMENTS:

1. SHOCK: Per MILSTD-202, Method 213, Condition C
2. VIBRATION: Per MIL-STD-202, Methods 201 & 204
3. HERMETICITY: 1 X 10⁻⁸ atm cc/sec min.
4. MAXIMUM SOLDERING CONDITIONS: See Figure 1.
4. SOLDERABILITY: Per EIAJ-STD -002
5. PACKAGE: HC-49U/N resistance weld. RoHS compliant.

Figure 1



DIMENSIONS

