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SPECIFICATION FOR SMT CRYSTAL MtronPTI P/N 520-210-R

(Standard ATSM-49-R Part)

Effective Date: August 14, 2006



I. GENERAL & ELECTRICAL REQUIREMENTS:

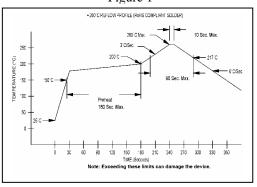
- 1. MODE OF OSCILLATION: Fundamental AT-Cut Crystal
- 2. FREQUENCY: 3.579545 to 40.000000 MHz
- 3. FREQUENCY TOLERANCE @ +25°C: ± 30 ppm
- 4. FREQUENCY STABILITY OVER TEMPERATURE: ± 50 ppm
- 5. OPERATING TEMPERATURE RANGE: -10°C to +70°C
- 6. EFFECTIVE SERIES RESISTANCE (ESR): See Table 1.
- 7. LOAD CAPACITANCE: 18 pF
- 8. SHUNT CAPACITANCE: 7.0 pF max.
- 9. AGING: \pm 5 ppm/yr. max.
- 10. DRIVE LEVEL: 500μW max. 100 μW typical, 50 μW min.

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: 1 X 10⁻⁸ 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.

TABLE 1





DIMENSIONS

