

## SPECIFICATION FOR SMT CRYSTAL MtronPTI P/N M1007S045

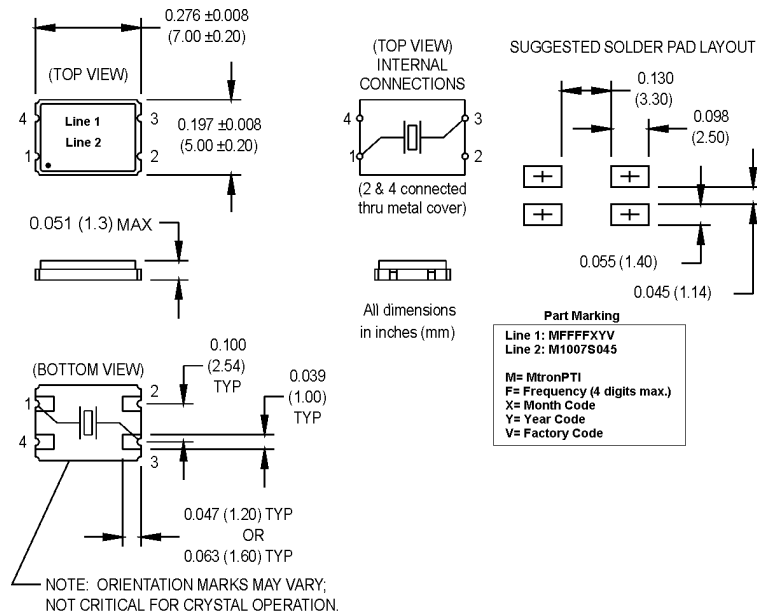
### I. GENERAL & ELECTRICAL REQUIREMENTS:

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: ± 30 ppm max.
5. OPERATING TEMPERATURE RANGE: 0°C to +70°C
6. EFFECTIVE SERIES RESISTANCE (ESR): 50 ohms max.
7. LOAD CAPACITANCE: 20 pF
8. SHUNT CAPACITANCE: 5.0 pF max.
9. AGING: ± 5 ppm/year max.
10. DRIVE LEVEL: 0.5 mW max. 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: 1 X 10<sup>-8</sup> 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 SMT. (PM type)

### III. DIMENSIONS:



### IV. DATA SHEET REVISION TABLE:

Date	Rev.	PCN	Details of Revision
5/17/04	0	N/A	Original release.
3/20/08	A	N/A	Update to MtronPTI format. Added reflow information. Supersedes 5/17/08 release.
2/23/09	B	N/A	Changed to two line part marking scheme.