

SPECIFICATION FOR RoHS COMPLIANT SMT CRYSTAL

MtronPTI P/N: M1001S286

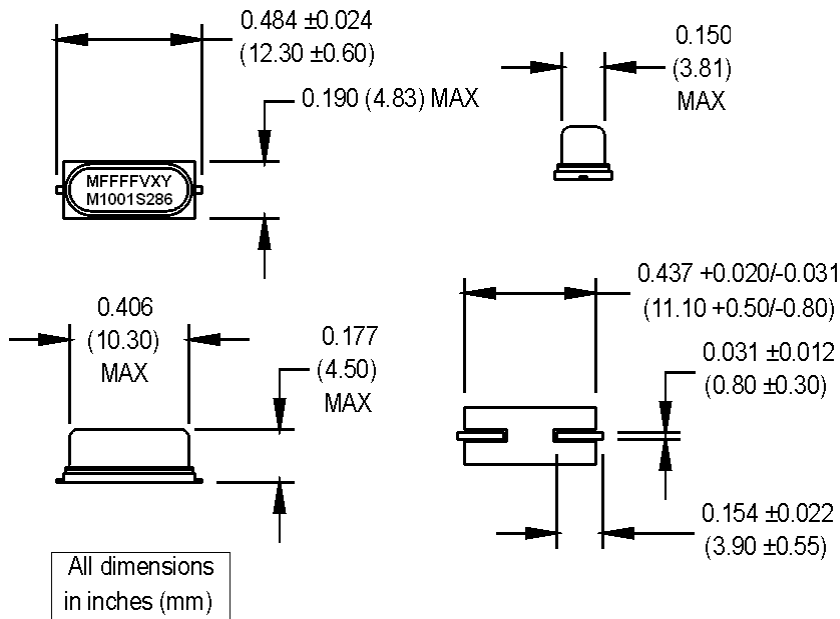
I. GENERAL & ELECTRICAL REQUIREMENTS:

1. MODE OF OSCILLATION: Fundamental AT-Cut Crystal
2. FREQUENCY OF OPERATION: 26.000000 MHz
3. FREQUENCY STABILITY at INITIAL CALIBRATION @ +27°C: ± 10 ppm max.
4. FREQUENCY STABILITY OVER TEMPERATURE (-10°C to +55°C): ± 5 ppm
5. FREQUENCY STABILITY OVER TEMPERATURE (-20°C to +75°C): ± 9 ppm
6. OPERATING TEMPERATURE RANGE: -20°C to +75°C
7. EFFECTIVE SERIES RESISTANCE (ESR): 50 ohms max.
8. LOAD CAPACITANCE: 9 pF
9. SHUNT CAPACITANCE (Co): 5.0 pF max.
10. AGING: ± 3 ppm/year max.
11. DRIVE LEVEL: 50 µW min. 100 µW for correlation, 500 µW max.

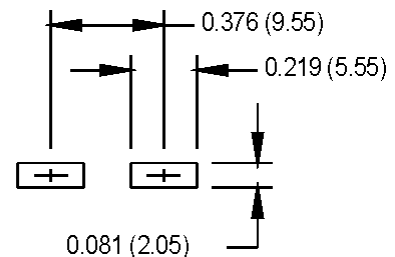
II. ENVIRONMENTAL & MECHANICAL REQUIREMENTS:

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. STORAGE TEMPERATURE: -55°C to +125°C
5. MAXIMUM SOLDERING CONDITIONS: 260°C for 10 seconds max.
6. SOLDERABILITY: Per EIA J-STD-002
7. PACKAGE: HC-49S-SMD resistance weld (ATSM-49 type).

III. DIMENSIONS



SUGGESTED SOLDER PAD LAYOUT



MARKING LEGEND

MFFFFVXY
M = M-tron
F = Frequency (4 digits max.)
V = Vendor/Source Code
X = Month
Y = Year