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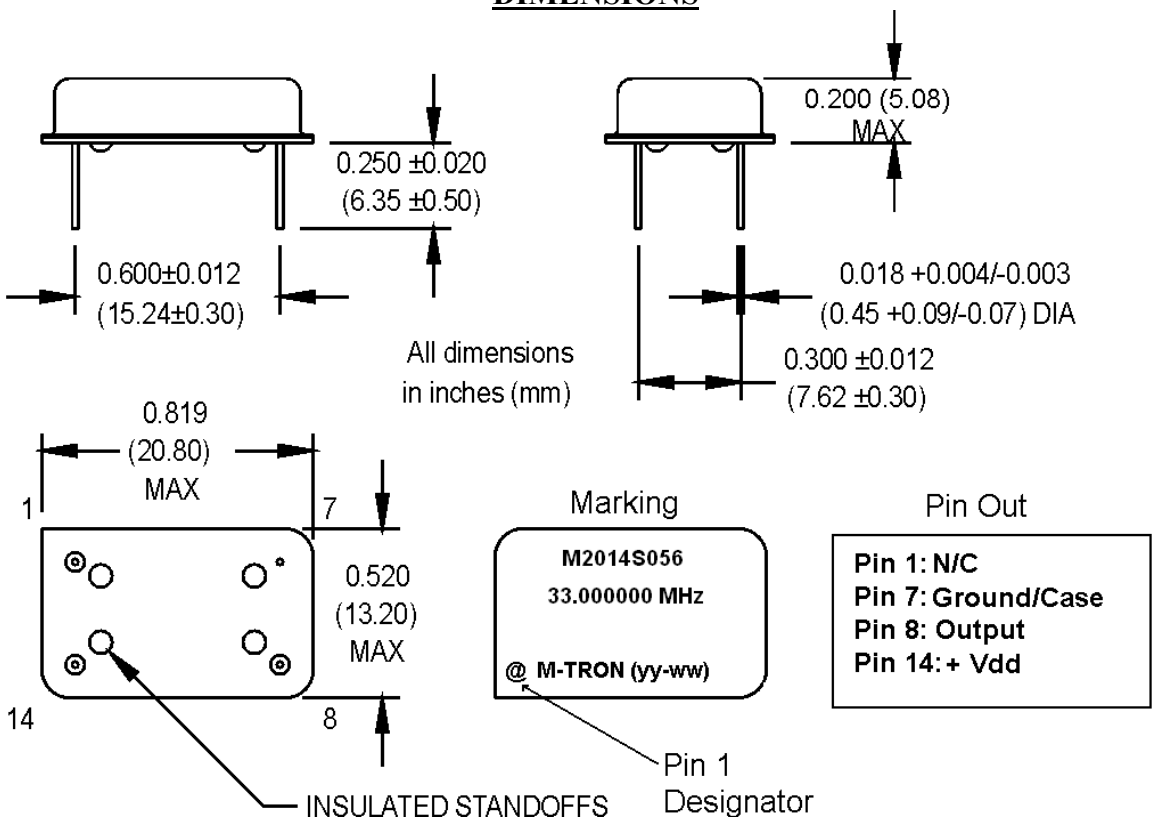
SPECIFICATION FOR THROUGH HOLE OSCILLATOR
MtronPTI P/N: M2014S056

I. GENERAL & ELECTRICAL REQUIREMENTS:

1. FREQUENCY: 33.000000 MHz
2. FREQUENCY STABILITY OVER OPERATING TEMPERATURE: ± 25 ppm
3. OPERATING TEMPERATURE RANGE: 0°C to +70°C
4. OPERATING VOLTAGE: 5.0 V ± 0.5
5. OPERATING CURRENT: 60 mA max.
6. OUTPUT TYPE: HCMOS/TTL Compatible
7. SYMMETRY: 40/60% ref. to 1.4Vdc
8. RISE/FALL TIME: 5 nS max. ref. 0.5 V to Vdd – 0.5 V
9. OUTPUT LOGIC LEVELS: Logic "0" = 0.5 V max. Logic "1" = Vdd – +2.4 V min.
10. OUTPUT LOAD: 10TTL gates max.
11. START-UP TIME: 7 ms max.

II. ENVIRONMENTAL & MECHANICAL REQUIREMENTS:

1. SHOCK: MIL-STD-202, Method 213, Condition C.
2. VIBRATION: MIL-STD-202, Methods 201 & 204.
3. HERMETICITY: 1 X 10^{-8} atm cc/sec min.
4. STORAGE TEMPERATURE: -55°C to +125°C
5. SOLDERABILITY: Per EIAJ-STD-002
6. REFLOW SOLDER CONDITIONS: +260°C for 10 secs max.
7. PACKAGE: 14-pin DIP compatible resistance weld (MHO+ type)

DIMENSIONS