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SPECIFICATION FOR TIGHT STABILITY OSCILLATOR
MtronPTI P/N: M2014S046

I. GENERAL & ELECTRICAL REQUIREMENTS:

1. FREQUENCY: 19.440000 MHz
2. FREQUENCY STABILITY: ± 20 ppm (Includes initial tolerance, deviation over temperature, voltage & load variation, and aging).
3. OPERATING TEMPERATURE RANGE: 0°C to +70°C
4. OPERATING VOLTAGE: 5.0 V ± 0.5 V
5. OPERATING CURRENT: 30 mA max.
6. OUTPUT TYPE: HCMOS/TTL Compatible
7. SYMMETRY: 45/55% ref. to ½ Vdd and 1.4 V
8. RISE/FALL TIME: 10 nS max. ref. 0.5 V to Vdd – 0.5 V
9. OUTPUT LOGIC LEVELS: V_{OL} = 0.5 V max. V_{OH} = Vdd – 0.5 V min.
10. OUTPUT LOAD: 50 pF/10 TTL max.
11. TRISTATE FUNCTION (Pin 1): Logic level "1", or floating; clock output enabled.
    Logic level "0", disables output to a high impedance.

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