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Website: www.mtronpti.com

...when timing matters

SPECIFICATION FOR A LUMPED ELEMENT (LC) FILTER
MtronPTI P/N 9100R

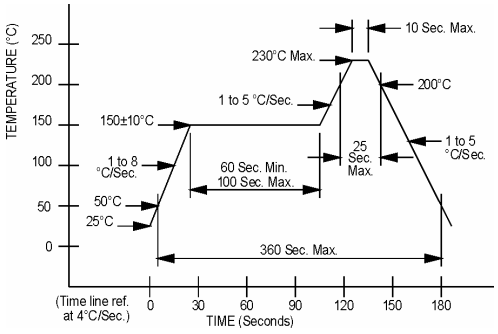
I. GENERAL & ELECTRICAL REQUIREMENTS:

1. CENTER FREQUENCY (F_C): 2050.0MHz
2. PASSBAND @ 2.0dB: 1600.0MHz to 2500.0MHz
3. INSERTION LOSS (@ peak of transmission): 2.0dB maximum
4. PASSBAND RIPPLE (peak-valley): 0.5dB maximum
5. RETURN LOSS: -15dB minimum from 1600.0MHz to 2500.0MHz
6. PASSBAND GROUP DELAY RIPPLE: 8*hsec*
7. REJECTION (minimum)
   - 60dB @ DC to 1100.0MHz
   - 40dB @ 1350.0MHz
   - 40dB @ 2900.0MHz
   - 60dB @ 3600.0MHz to 6000.0MHz
8. MAXIMUM INPUT POWER: 30dBm
9. Z_{IN}/Z_{OUT}: 50Ω nominal

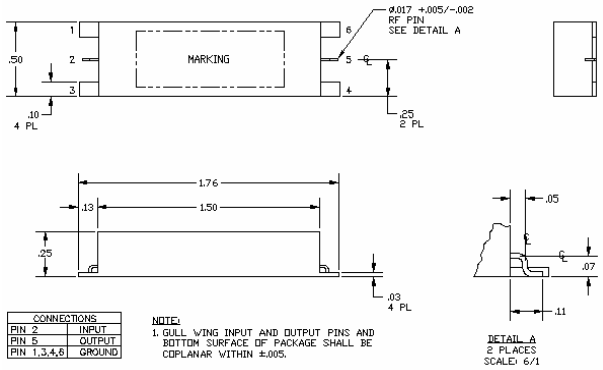
II. ENIVIRONMENTAL & PHYSICAL REQUIREMENTS:

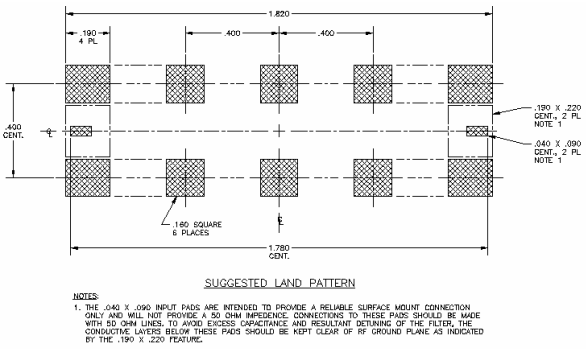
1. TEMPERATURE
   OPERATING: -40°C to +110°C
   STORAGE: -55°C to +120°C
2. SHOCK: Per MIL-STD-202, Method 213, Condition C
3. VIBRATION: Per MIL-STD-202, Method 201 & 204
4. MAXIMUM SOLDERING CONDITIONS: See Figure 1.
5. SOLDERABILITY: Per EIAJ-STD-002
6. PACKAGE: SMD (Reference outline drawing) RoHS Compliant
   - The filter body will be silver plated milled aluminum
     Aluminum alloy type 1100-0 per QQ-A250/1 or equivalent
     Plated with silver per ASTM B 700 (MIL-C-26074))
   - Sn10 solder will be utilized through out the construction of the filter

Figure 1



DIMENSIONS





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