

Specification for a Bandpass LC Filter MtronPTI P/N: LF9348

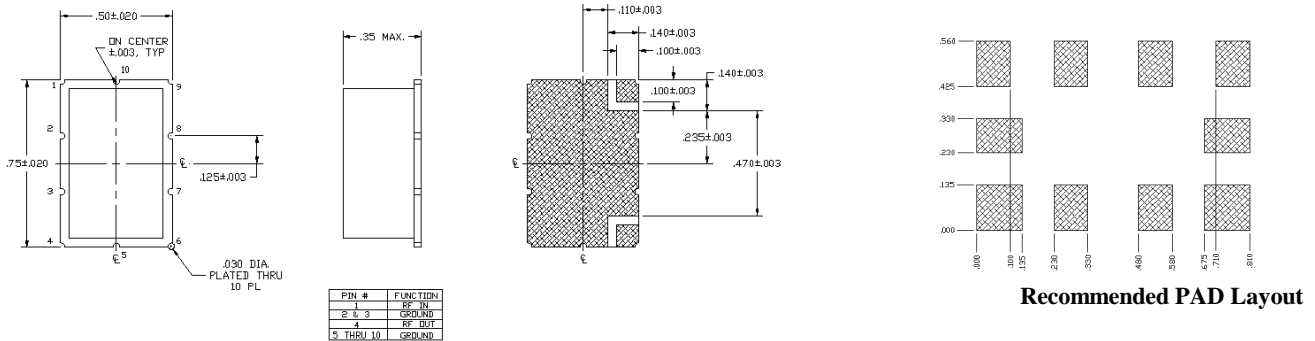
I. General & Electrical Requirements:

- Center Frequency (F_{ON}): 10.0MHz
- Bandwidth @ 3dB: ≥ 1.0 MHz
- Insertion Loss (at the peak of transmission within the 3dB bandwidth): ≤ 3.0 dB
- Rejection (minimum, ref. to IL):
 - 30dB: $F_{ON} \pm 2$ MHz maximum
- Z_{IN}/Z_{OUT} : 50 Ω nominal

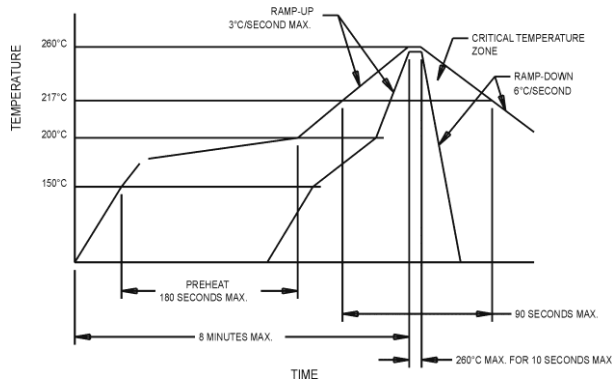
Note: Sn10 high temperature solder is utilized in the construction of this filter in support of automated assembly & reflow processing.

II. Environmental & Physical Requirements:

1. Temperature Ranges
 - Operating (OTR): -40°C to +85°C
 - Storage (STR): -45°C to +90°C
2. Per EIAJ Per EIAJ-STD-002
3. Seal: Waterproof, supports post-reflow aqueous/non-aqueous wash
4. Package: (reference drawing)
5. Tape & Reel Available: 100-units/reel minimum
6. Package: (reference drawing)



Package Outline Drawing



Recommended Reflow Soldering Profile