

Specification for a Transmit LC Filter MtronPTI P/N: LF9361

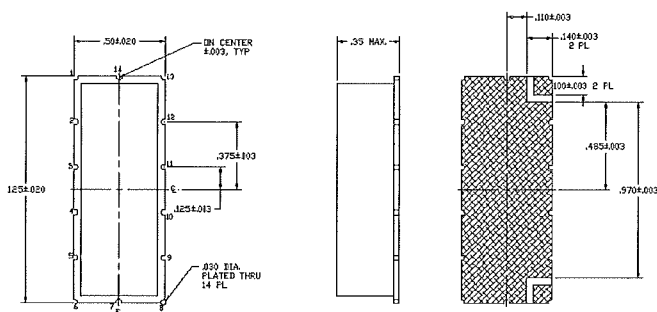
I. General & Electrical Requirements:

- Lowpass Cutoff Frequency (@ 1dB maximum): 786MHz
- Notch Filter @ 2dB: @ 596MHz & @ 626MHz
- Rejection
 - Notch Filter:
 - 608MHz to 614MHz: 16dB minimum
 - Lowpass Filter:
 - 940MHz to 960MHz: 30dB minimum
 - 960MHz to 1572MHz: 22dB minimum
 - 1572MHz to 3000MHz: 7dB minimum
- RF Power: ≤ 2-watts
- Z_S: 50Ω nominal
- Z_L: 75Ω nominal

MtronPTI MODEL: LF9361
 ENG APPROVAL: MPE
 DATE: 4/16/12
 MFG APPROVAL: [Signature]
 DATE: 4/17/12

II. Environmental & Physical Requirements:

1. Temperature Range
 - Operating: -30°C to +75°C
 - Storage: -45°C to +90°C
2. Package: SMD (ref. Drawing)
3. Automated Assembly Process Compatible
 - Pick & Place
 - Reflow Soldering
 - Post Reflow Aqueous/Non-aqueous Wash



PN#	FUNCTION
1	RF IN
2-5	GND/PD
6	RF OUT
7-14	SECOND

Figure 1: SMD Package Outline Drawing

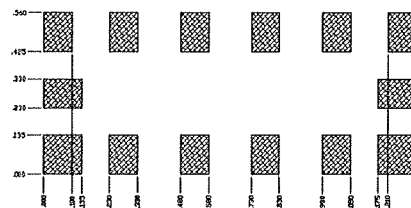


Figure 2: Recommended PAD Layout Drawing

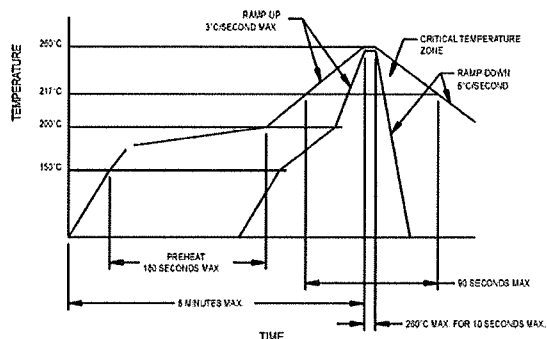


Figure 3: Maximum Reflow Solder profile



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III. Design Simulation Plots:

