

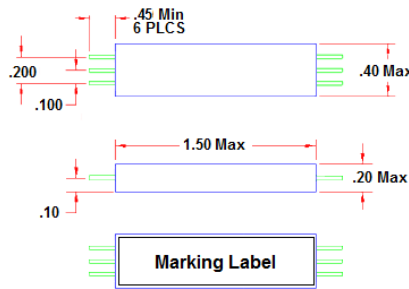
Specification for a Bandpass LC Filter MtronPTI P/N: LF9587

I. General & Electrical Requirements:

- Center Frequency (F_{ON}): 625MHz
- Passband Band: 450MHz to 800MHz minimum
- % Bandwidth: 56%
- Passband Insertion Loss: ≤ 2.0 dB
- Rejection (relative to IL)
 - DC to 300MHz: 55dB minimum
 - 900MHz to 1600MHz: 55dB minimum
 - 1600MHz to 6000MHz: 40dB minimum
 - Lower side shape factor: 1.5
 - Upper side shape factor: 1.13
- Input Power Handling: + 33dBm CW
- Z_S/Z_L : 50 Ω nominal

II. Environmental & Physical Requirements:

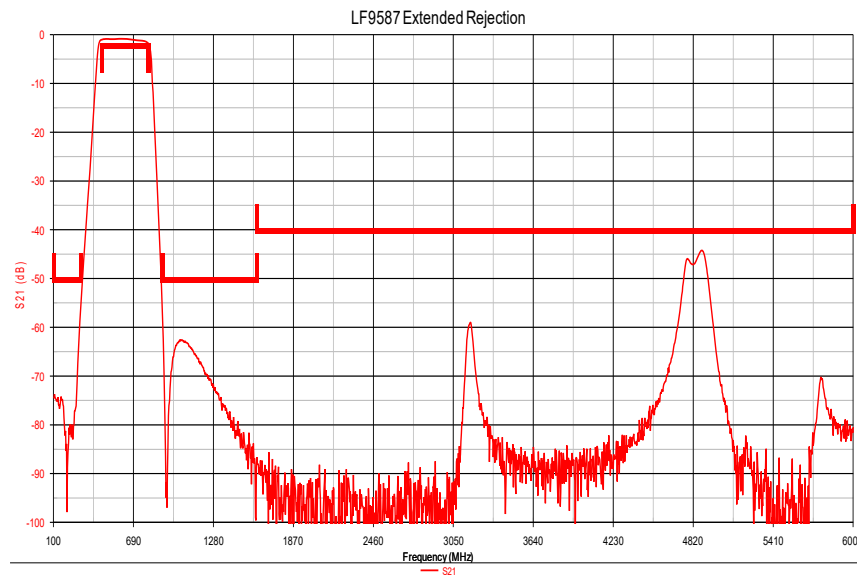
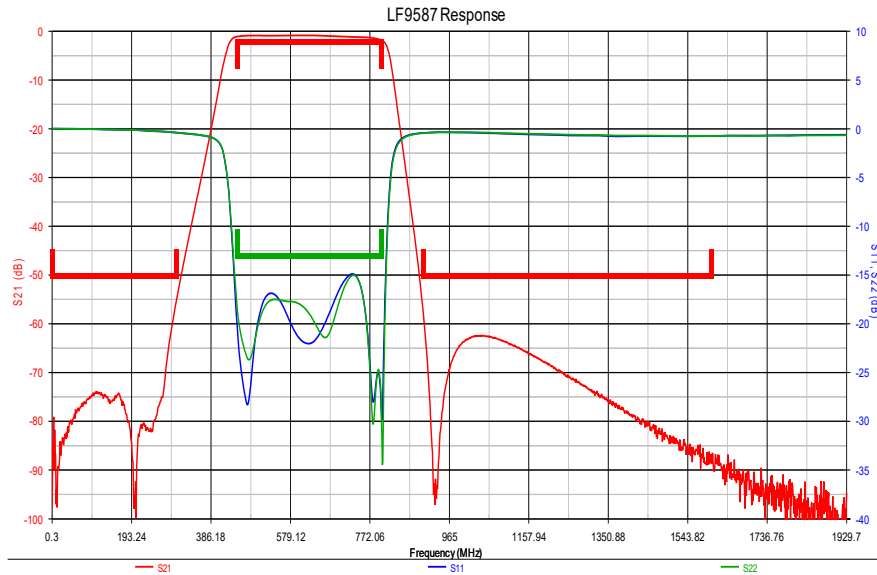
1. Temperature Range:
 - Operating: -20°C to +60°C
 - Storage: -40°C to +85°C
2. Package:
 - Size: 1.500" (L) x 0.400" (W) x 0.200" (H), all dimensions are maximums
 - Case Materials & Finish: Silver Plated Brass per ASTM B700, Type1, Grade A



| Part Marking | | |
|--------------|------------------|-----|
| | MtronPTI Model # | |
| In | NGC Amherst P/N | Out |
| | Serial # | |
| | Date Code | |

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III. Representative Plots:



IV. Data Sheet Revision Table:

| Date | Rev. | Author | Details of Revision |
|----------|------|--------|---------------------------------------|
| 08-03-15 | A | DPD | Operating temp changed : -20C to +60C |
| 07-31-15 | - | DPD | Original Release |