



Specification for a Bandpass SMD Filter MtronPTI P/N: LF9485-001

I. General & Electrical Requirements:

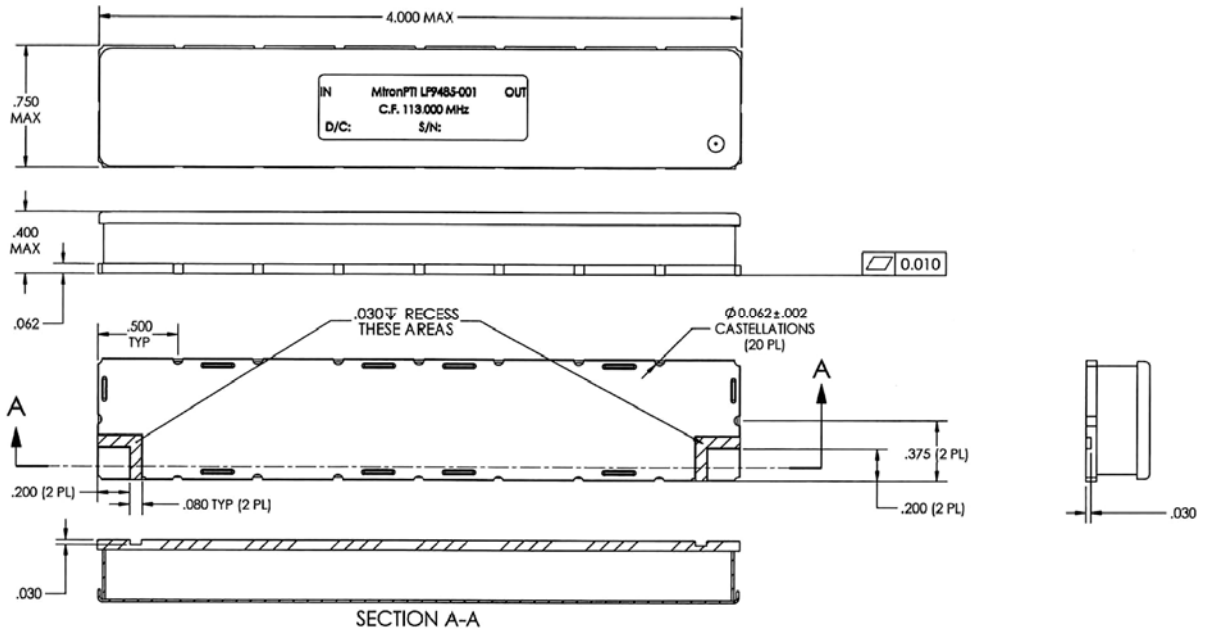
- Center Frequency (F_{0N}): 113MHz
- Passband Insertion Loss (108MHz to 118MHz): ≤ 5.0dB
- Ripple (peak-valley, in Band): ≤ 0.75dB
- VSWR (in Band): 1.5:1 minimum
- Rejection (Absolute, relative to 0dB)
 - 50MHz to 95MHz: 50dB minimum
 - @ 102MHz: 40dB minimum
 - @ 104MHz: 27dB minimum
 - @ 106MHz: 14dB minimum
 - @ 120MHz: 14dB minimum
 - 130MHz to 300MHz: 50dB minimum
- Power Handling: ≤ 1-watt CW
- Non-operating power (without damage): 3.2W (35dBm)

Z_{IN}/Z_{OUT}: 50Ω nominal

II. Environmental & Physical Requirements:

1. Temperature Range:
 - Operating: -55°C to +85°C
 - Storage: -55°C to +90°C
2. Package : : 4.000" (L) x 0.750" (W) x 0.400" (H) maximum

Tolerances:
 Decimal XXX = +/- .008, XX = +/- .02
 Metric [XXX = +/- .20], [XX = +/- .50]

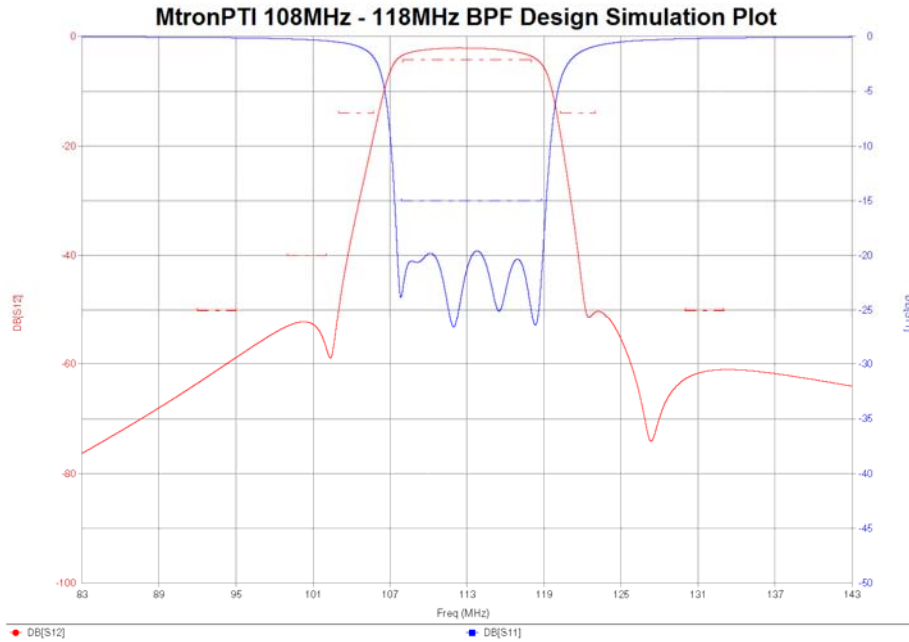


Note: Surface finish on RF input and output pads is ENIG



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III. Design Simulation Plots:



IV. Data Sheet Revision Table:

Date	Rev.	Author	Details of Revision
04-05-18	B	DPD	IL spec updated.
04-05-18	A	DPD	Revised from LF9485 to LF9485-001. Outline drawing updated.