



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

I. General & Electrical Requirements:

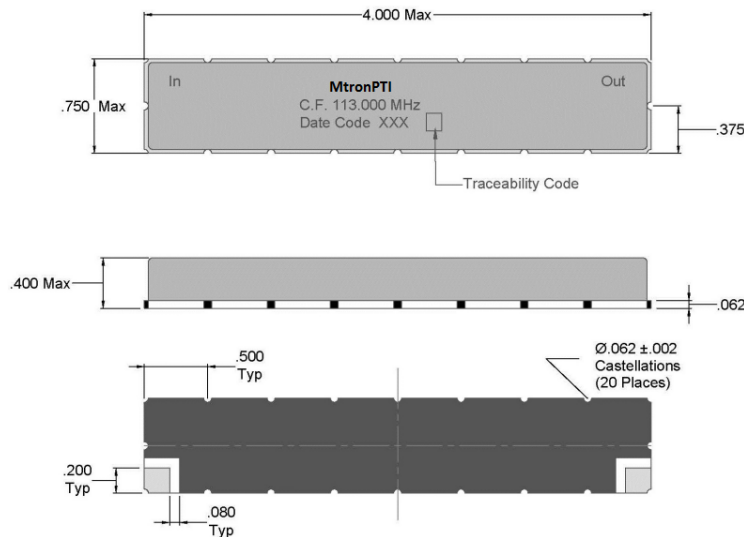
- Center Frequency (F_{ON}): 113MHz
- Passband Insertion Loss (108MHz to 118MHz): ≤ 4.25 dB
- Ripple (peak-valley, in Band): ≤ 0.75 dB
- VSWR (in Band): 1.5:1 minimum
- Rejection (Absolute, relative to 0dB)
 - 50MHz to 95MHz: 50dB minimum
 - @ 102MHz: 40dB minimum
 - @ 104MHz: 27dB minimum
 - @ 106MHz: 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} : 50 Ω nominal

II. Environmental & Physical Requirements:

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

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

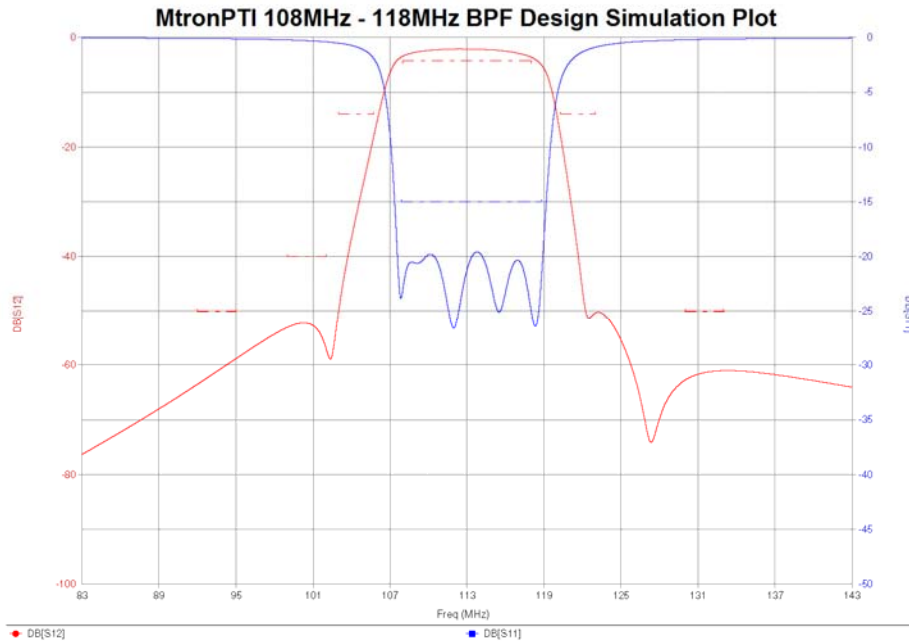


Note: Surface finish on RF input and output pads is ENIG



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III. Design Simulation Plots:



IV. Data Sheet Revision Table:

Date	Rev.	Author	Details of Revision
07-14-15	D	DPD	Dimension tolerances updated.
05-04-15	C	DPD	Added note Surface finish on input and output pads is ENIG
02-12-15	B	DPD	Honeywell part#69002711-000 removed from the datasheet
01-29-15	A	DPD	Operating temp changed from -55°C to +75°C to 55°C to +85°C. Mechanical dimensions changes from 2.000" (L) x 1.000" (W) x 0.400" (H) maximum to 4.000" (L) x 0.750" (W) x 0.400" (H). Added non-operating power specification.
12-19-13	-	BRM	Original Release