



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

Preliminary Datasheet
3550 MHz Cavity Bandpass Filter
Part Number: AE3550B12196



Electrical specifications

Center Frequency: 3550 MHz
Passband: 3400 - 3700 MHz
Insertion Loss in Passband: 1.5 dB Nom
Return Loss in Passband: 15 dB Nom
Rejection: 60 dB Nom @ DC - 3141.75 MHz
Rejection: 60 dB Nom @ 3905 - 7000 MHz
Impedance: 50 Ohms In/Out
Power Handling: 45 W CW

Mechanical

Mounting: TBD
Connector Type: SMA (F)
Dimensions: Approx. 5.2 x 0.85 x 0.85 in

Environmental

Operating Temperature: -45°C to +85°C
Storage Temperature: -55°C to +95°C
Shock: 20 G. 11ms
Vibration: 20 G. 5 to 2000 Hz

Outline Drawing:

Approximate Size: 5.2 x 0.85 x 0.85 in

DS-B12196-10182024-Rev1



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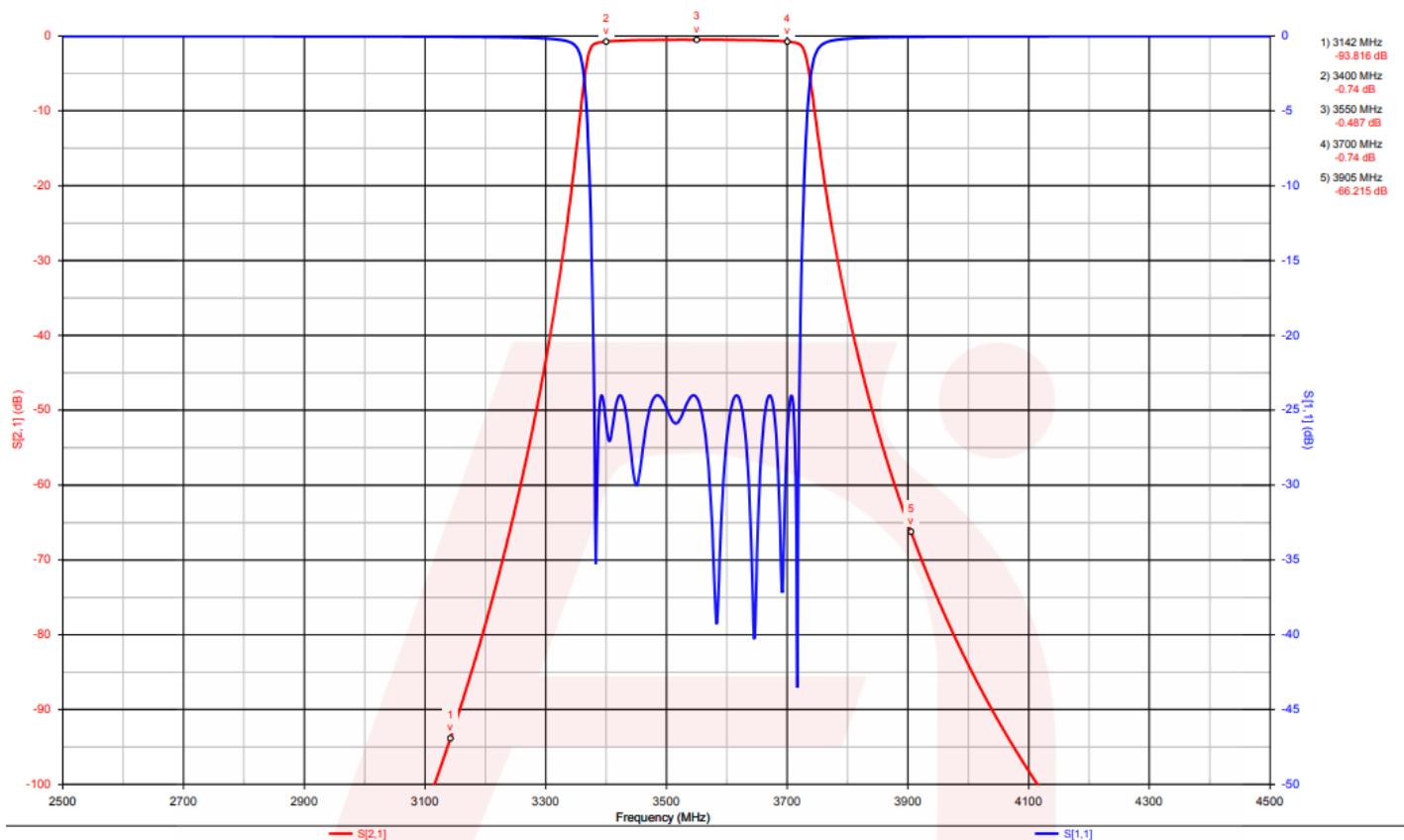
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Narrow Simulation Plot:



Note: This is a simulation plot. Actual results may differ once the product is implemented.

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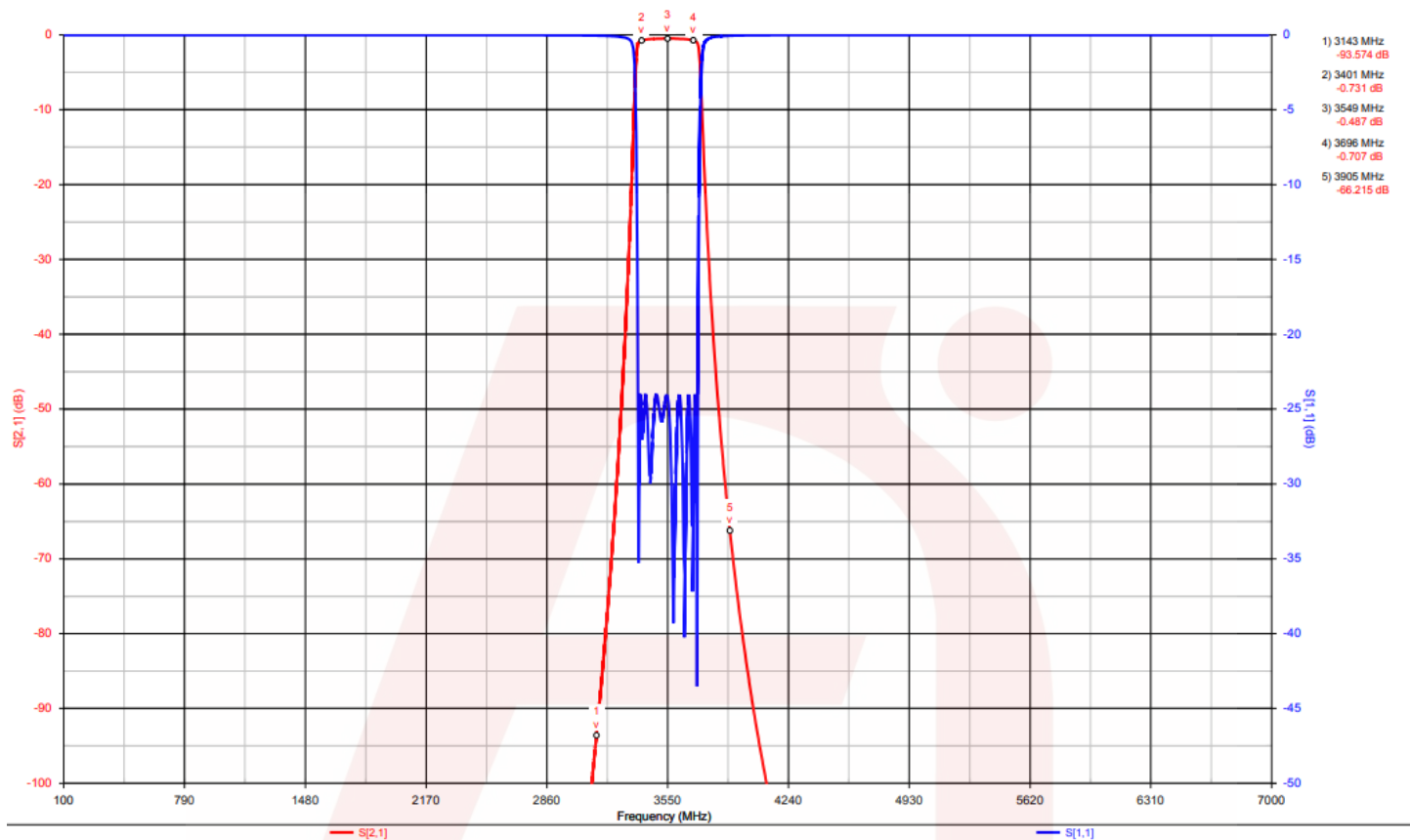
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Wide Sweep Simulation Plot:



Note: This is a simulation plot. Actual results may differ once the product is implemented.

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