



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

Preliminary Datasheet
8500 MHz Cavity Bandpass Filter
Part Number: AE8500B12187



Electrical specifications

Center Frequency: 8500 MHz

Bandwidth: 150 MHz

Passband: 8425 – 8575 MHz

Insertion Loss in Passband: 2.0 dB Max

Return Loss in Passband: 14 dB Min

Rejection: 50 dB Min @ 8000 MHz

50 dB Min @ 9000 MHz

60 dB Min @ 13600 MHz

Impedance: 50 Ohms In/Out

Power Handling: 30 dBm

Mechanical

Connector Type: SMA (Female)

Dimensions: Approx. 2.5 x 0.6 x 0.5 in.

Environmental

Operating Temperature: -45 to +85 deg.C

Storage Temperature: -55 to +95 deg.C

Shock: 20 G. 11ms

Vibration: 20 G. 5 to 2000 Hz

Outline Drawing:

Approximate size is 2.5 x 0.6 x 0.5 inches.

DS-B12187-10112024-Rev0



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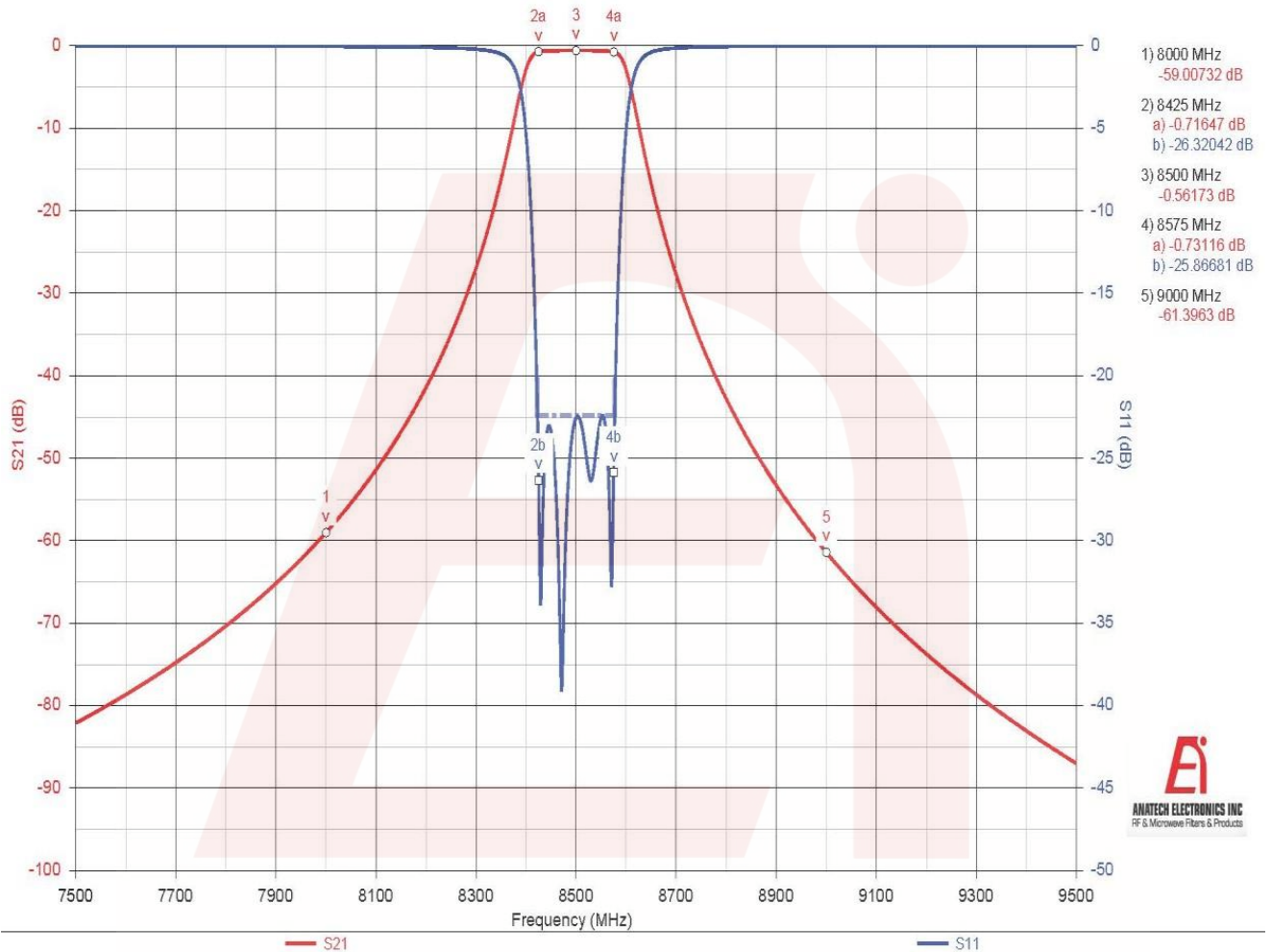
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Simulation Plot:



Note: This is a simulation Plot. Actual response plot might differ.

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