



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

Preliminary Datasheet
3000 MHz Cavity Bandpass Filter
Part Number: AE3000B12194



Electrical specifications

Center Frequency: 3000 MHz
Passband: 2900 - 3100 MHz
Insertion Loss in Passband: 1.5 dB Nom
Return Loss in Passband: 15 dB Nom
Rejection: 60 dB Nom @ DC - 2655 MHz
Rejection: 60 dB Nom @ 3300 - 7000 MHz
Impedance: 50 Ohms In/Out
Power Handling: 45 W CW

Mechanical

Mounting: TBD
Connector Type: SMA (F)
Dimensions: Approx. 4.5 x 0.9 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: 4.5 x 0.9 x 0.85 in

DS-B12194-10182024-Rev1



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

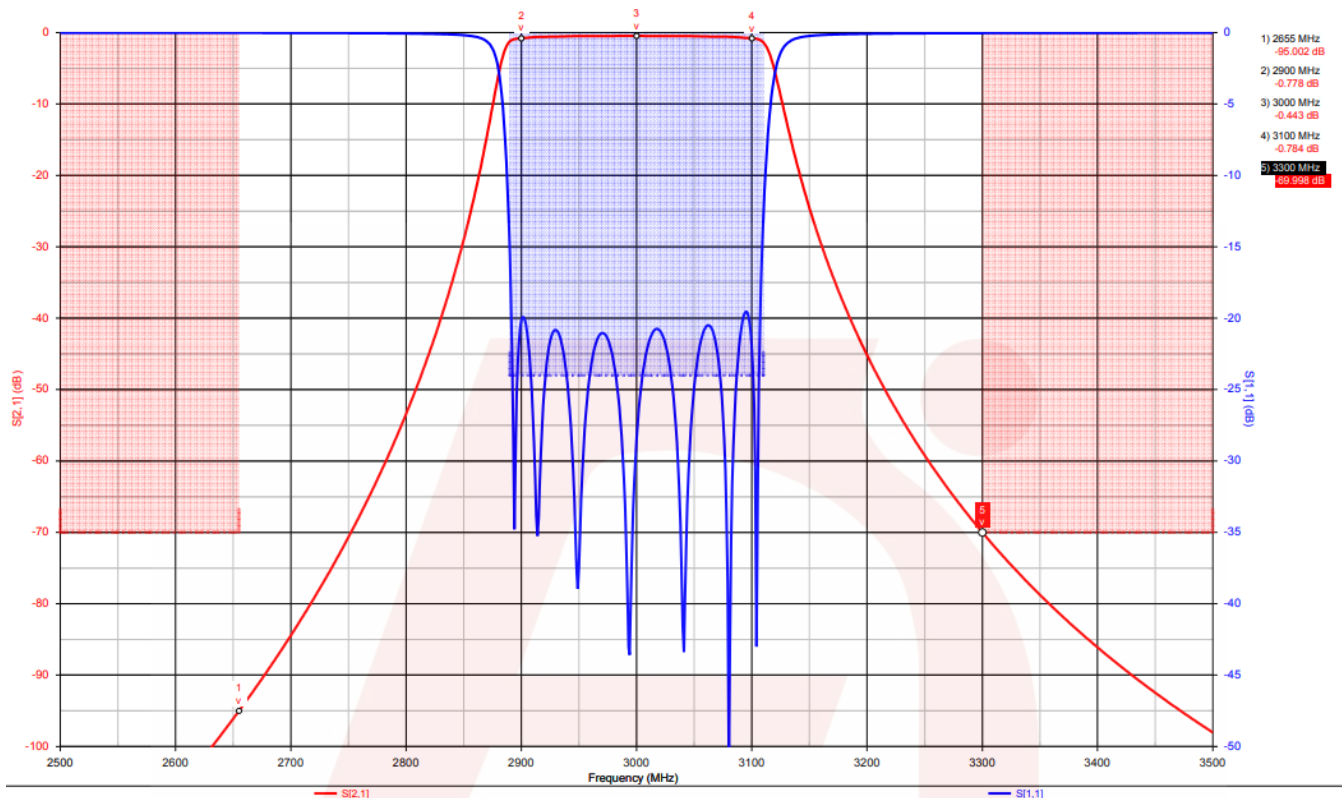
Preliminary Datasheet

3000 MHz Cavity Bandpass Filter

Part Number: AE3000B12194



Narrow Simulation Plot:



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

DS-B12194-10182024-Rev1



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

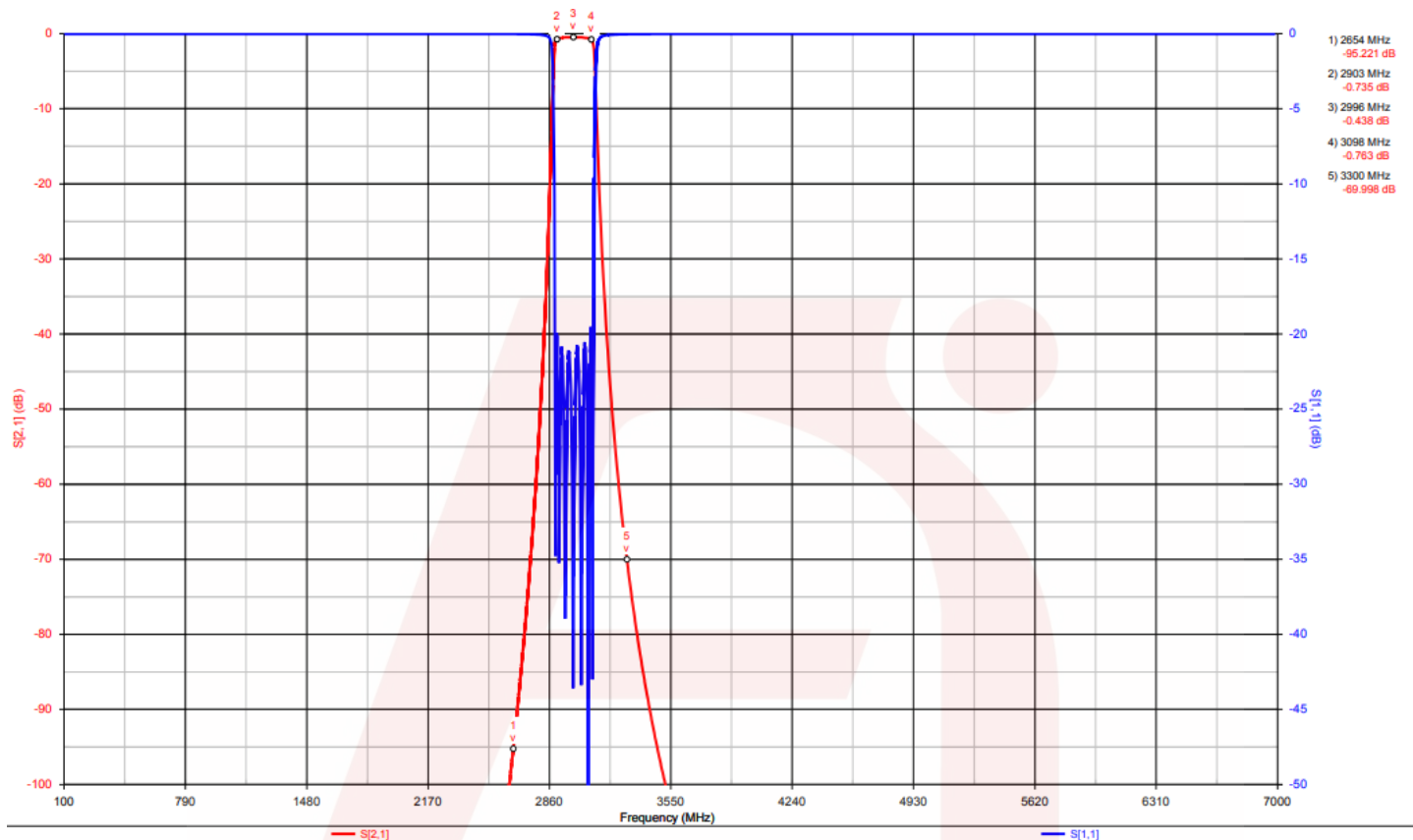
Preliminary Datasheet

3000 MHz Cavity Bandpass Filter

Part Number: AE3000B12194



Wide Sweep Simulation Plot:



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

DS-B12194-10182024-Rev1