



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

Preliminary Datasheet
10750 MHz Cavity Bandpass Filter
Part Number: AE10750B12190



Electrical specifications

Center Frequency: 10750 MHz
Bandwidth: 3500 MHz
Passband: 9000 – 12500 MHz
Insertion Loss in Passband: 2.0 dB Max
Return Loss in Passband: 14 dB Min
Rejection: 30 dB Min @ 8500 MHz
30 dB Min @ 13000 MHz
60 dB Min @ 22575 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.

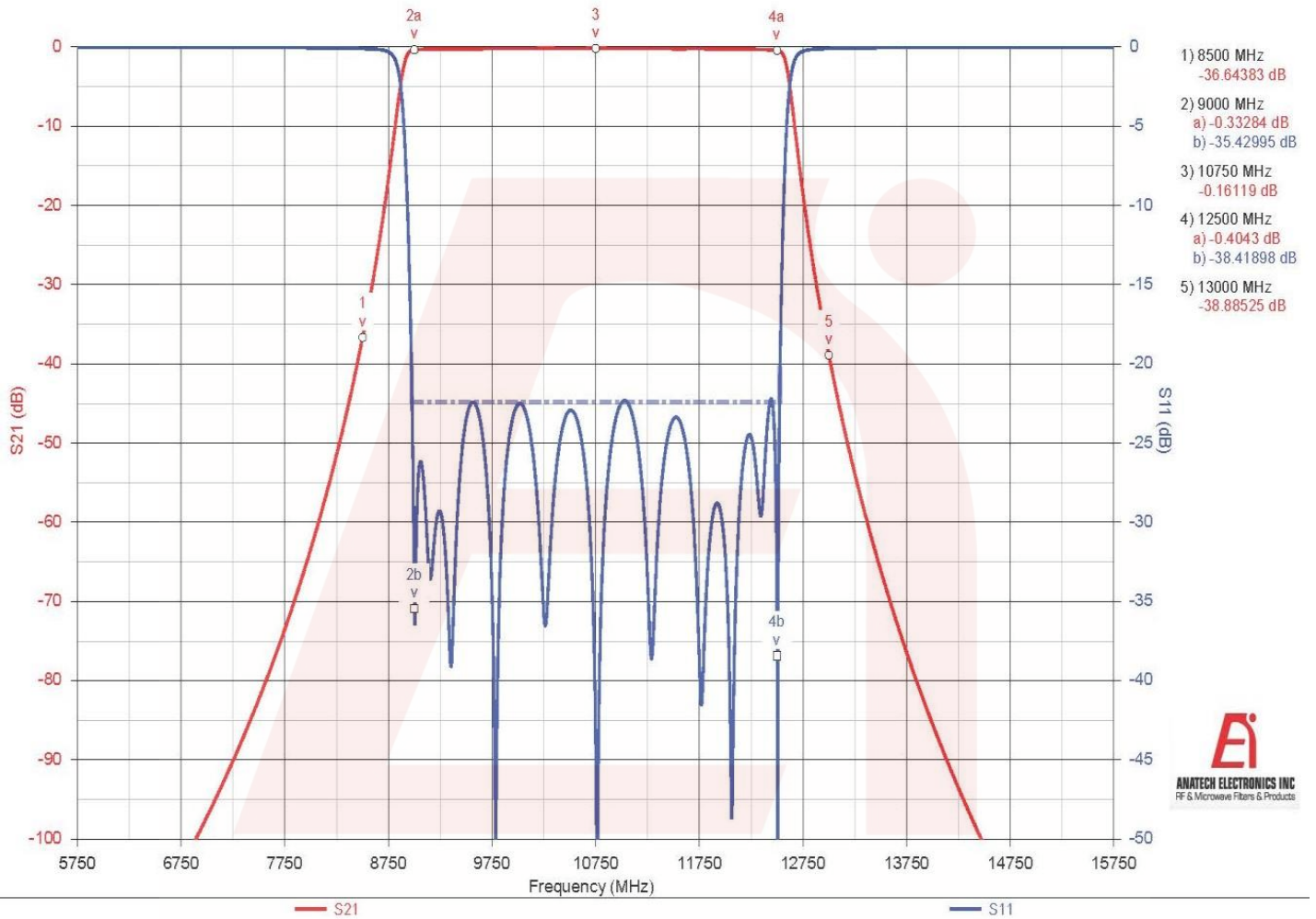
DS-B12190-10112024-Rev0



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Simulation Plot:



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