



**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products

**Preliminary Datasheet**  
**9750 MHz Cavity Bandpass Filter**  
**Part Number: AE9750B12199**



**Electrical specifications**

**Center Frequency:** 9750 MHz  
**Passband:** 8500 - 11000 MHz  
**Insertion Loss in Passband:** 1.5 dB Nom  
**Return Loss in Passband:** 15 dB Nom  
**Rejection:** 60 dB Nom @ DC - 6750 MHz  
**Rejection:** 60 dB Nom @ 12750 - 18000 MHz  
**Impedance:** 50 Ohms In/Out  
**Power Handling:** 45 W CW

**Mechanical**

**Mounting:** TBD  
**Connector Type:** SMA (F)  
**Dimensions:** Approx. 5.75 x 0.75 x 0.75 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: 5.75 x 0.75 x 0.75 in

DS-B12199-10182024-Rev0



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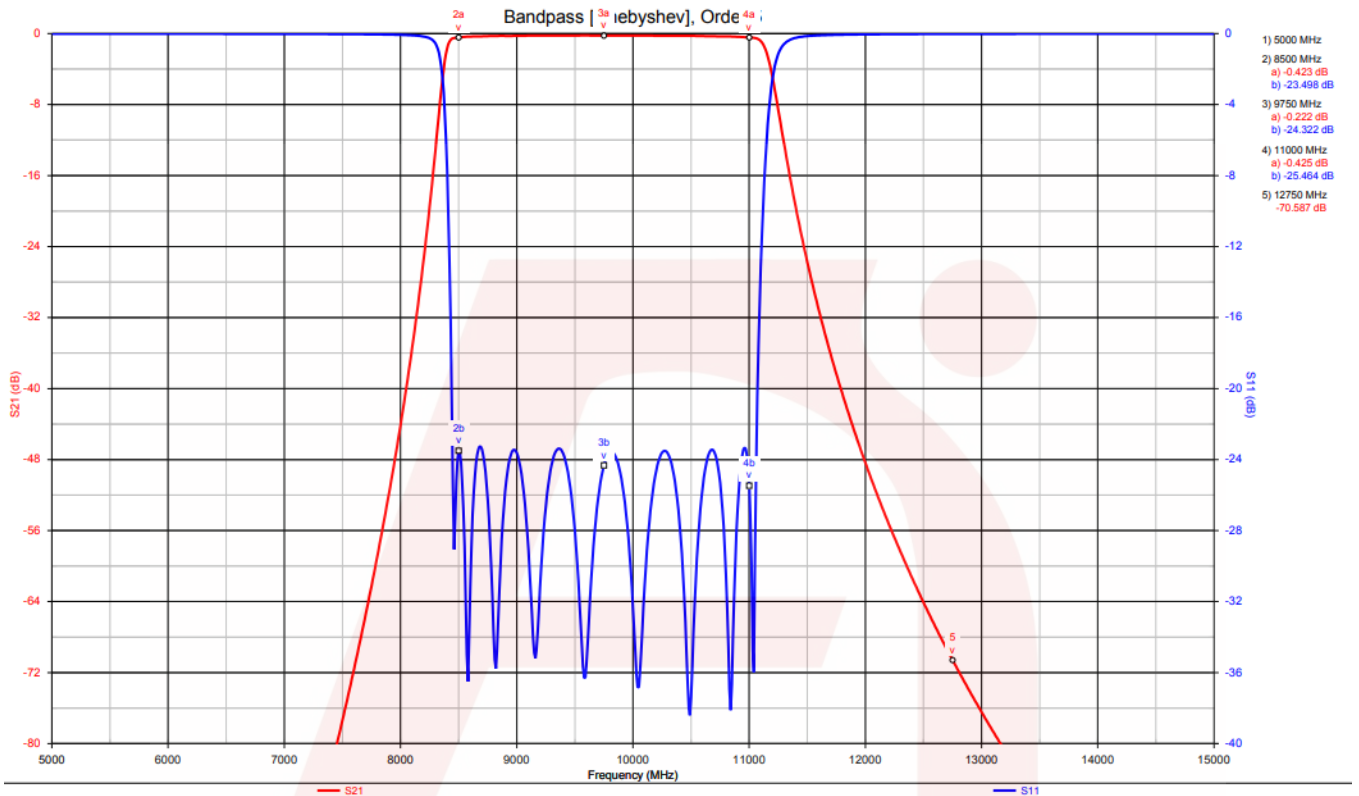
# Preliminary Datasheet

## 9750 MHz Cavity Bandpass Filter

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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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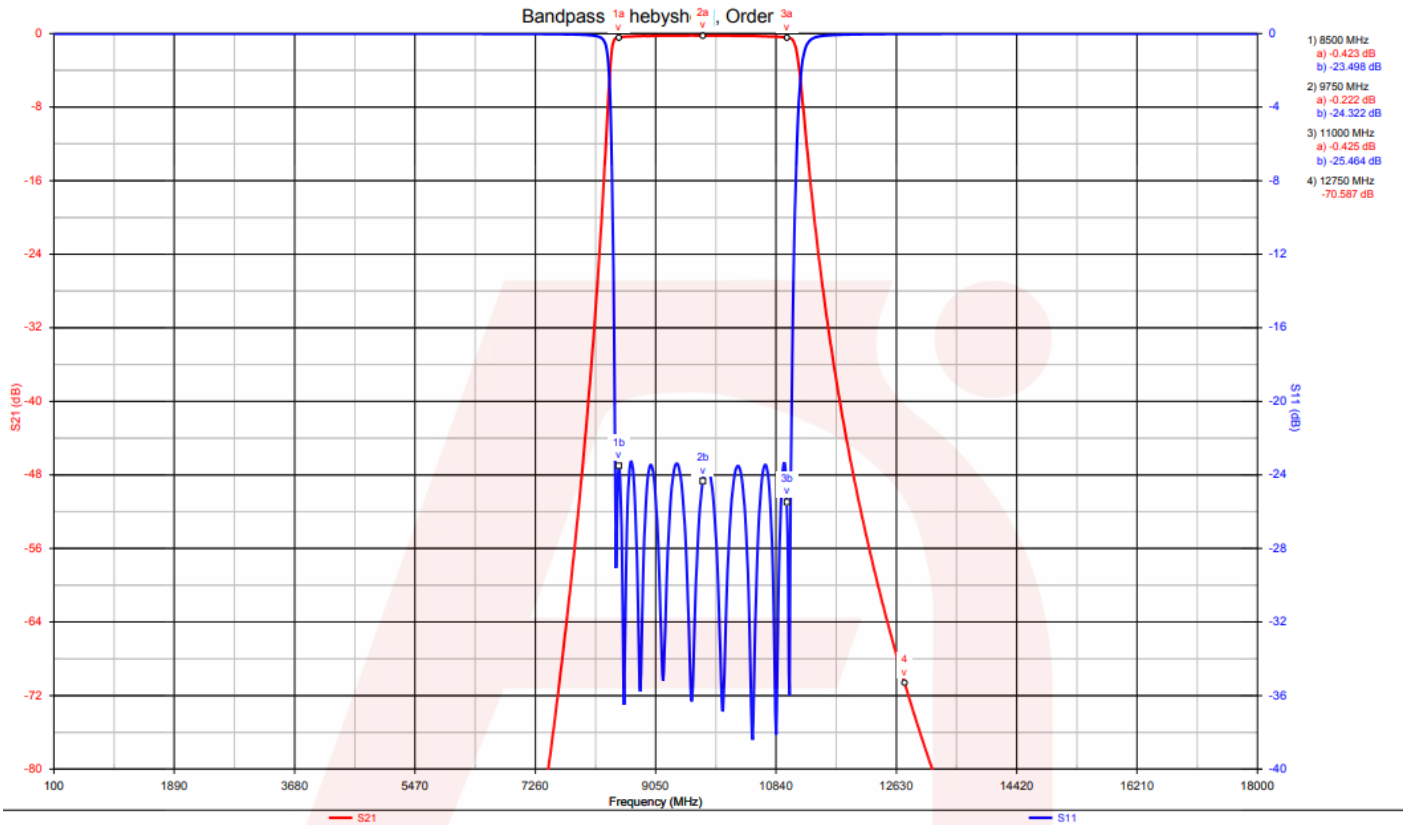
# Preliminary Datasheet

## 9750 MHz Cavity Bandpass Filter

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### Wide Simulation Plot:



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

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