



8500 MHz Cavity Bandpass Filter

Part Number: AE8500B12069



Electrical specifications

Center Frequency: 8500 MHz
Bandwidth: 1400 MHz
Passband: 7800 – 9200 MHz
Insertion loss: 0.75 dB Max
Return Loss: 20 dB Min
Rejection: 70 dB Min @ 6500 & 10500 MHz
70 dB Min @ 10500 – 19500 MHz
Impedance: 50 Ohms In/Out
Power Handling: 1 W CW Max

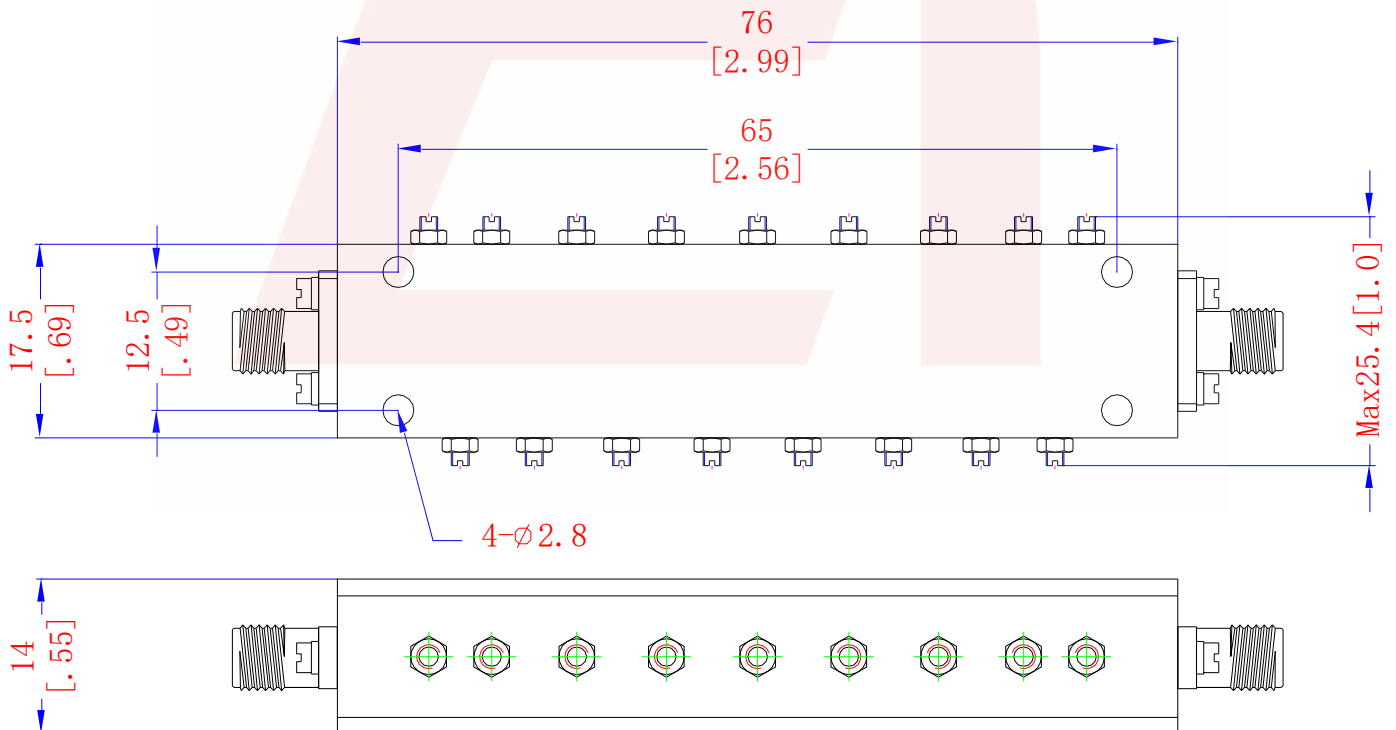
Mechanical

Connector Type: SMA Female
Dimensions: 2.99 x 1.0 x 0.55 in.
76 x 25.4 x 14 mm

Environmental

Operating Temperature: -40 to +70° C
Storage Temperature: -45 to +85° C
Shock: 20 G. 11ms
Vibration: 20 G. 5 to 200 Hz

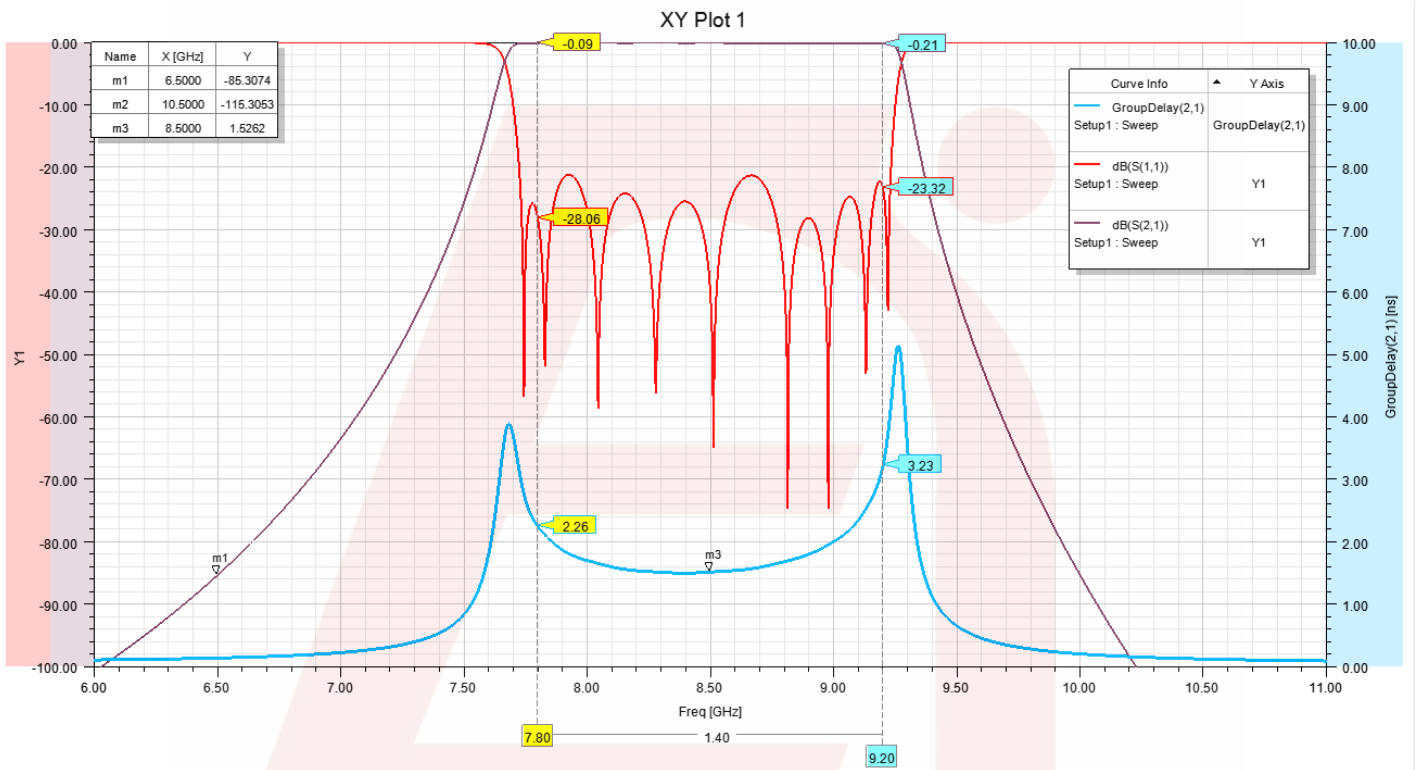
Outline Drawing:



DS-B12069-12202023-Rev0



Simulation Plot:



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