



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

7500 MHz Bandpass Filter

Part Number: AE7500B10926



Electrical specifications

Center Frequency: 7500 MHz
Insertion Loss at Center Frequency: 0.5dB (max)
1 dB-BW 550MHz: 7225MHz to 7775MHz
Low side Rejection Frequency: 7050MHz @ 25dB
High side Rejection Frequency: 7950MHz @ 25dB
Return Loss: 14dB
Power Handling: 30dBm minimum
Input / Output Impedance: 50 Ohms

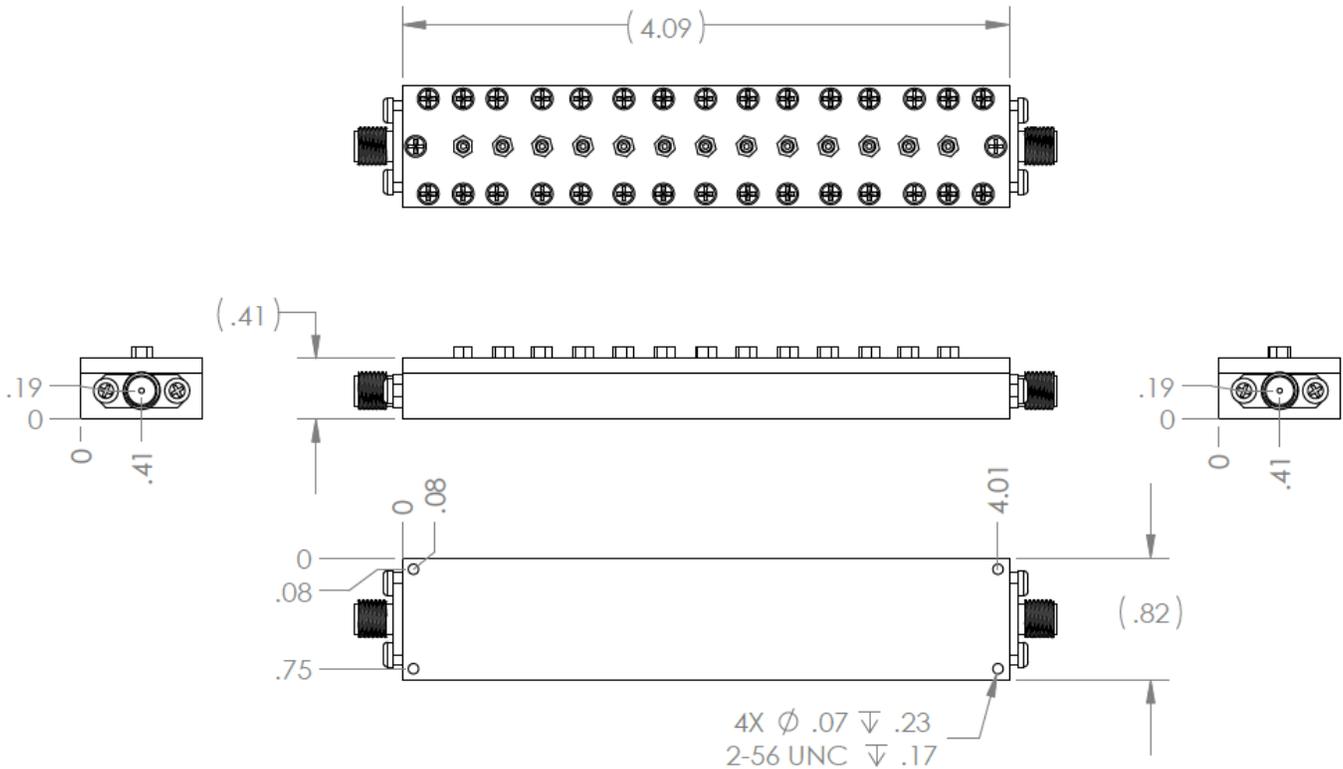
Mechanical

Connector Type: SMA (F)
Dimensions: 1.004 x 0.787 x 0.590 inches

Environmental

Operating Temperature: -45 to +85 deg.C!
Storage temperature: -65 to +95 deg.C!
Shock: 20 G's, ½ sine, 11ms
Vibration: 10 G's, 10-2000Hz
Relative Humidity: 0-95%

Outline Drawing:



Tolerance: +/-0.01 inches [+/- 0.3mm]

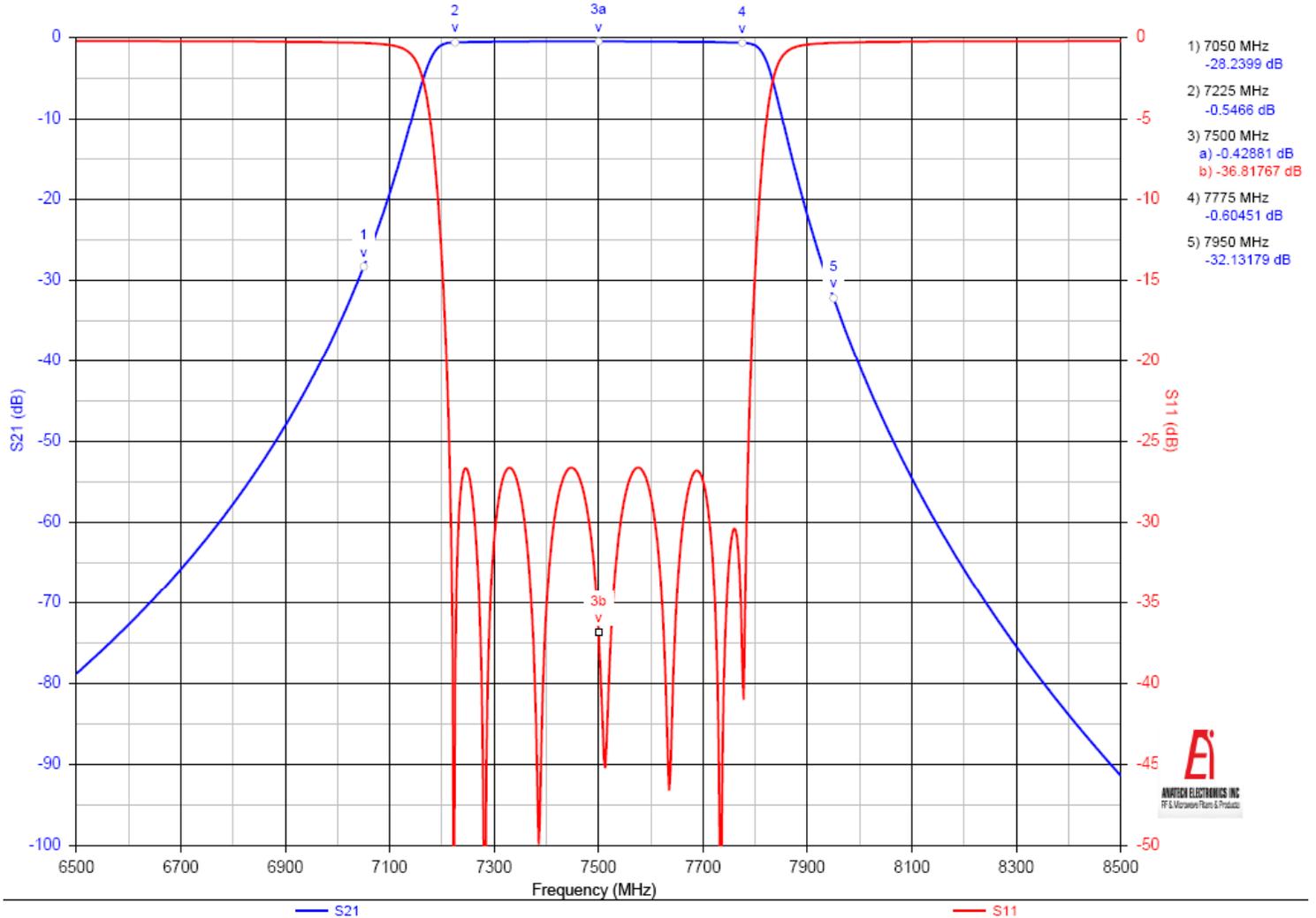
Angles: +/- 1 Deg.

*Tolerance as shown unless otherwise specified in the datasheet electrical specification tables above.

*When max dimensions are called out the above tolerances do not apply as long as it is under the max call out.



Response Plot:



Note: This is a simulated response plot. Actual performance might differ.