



**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

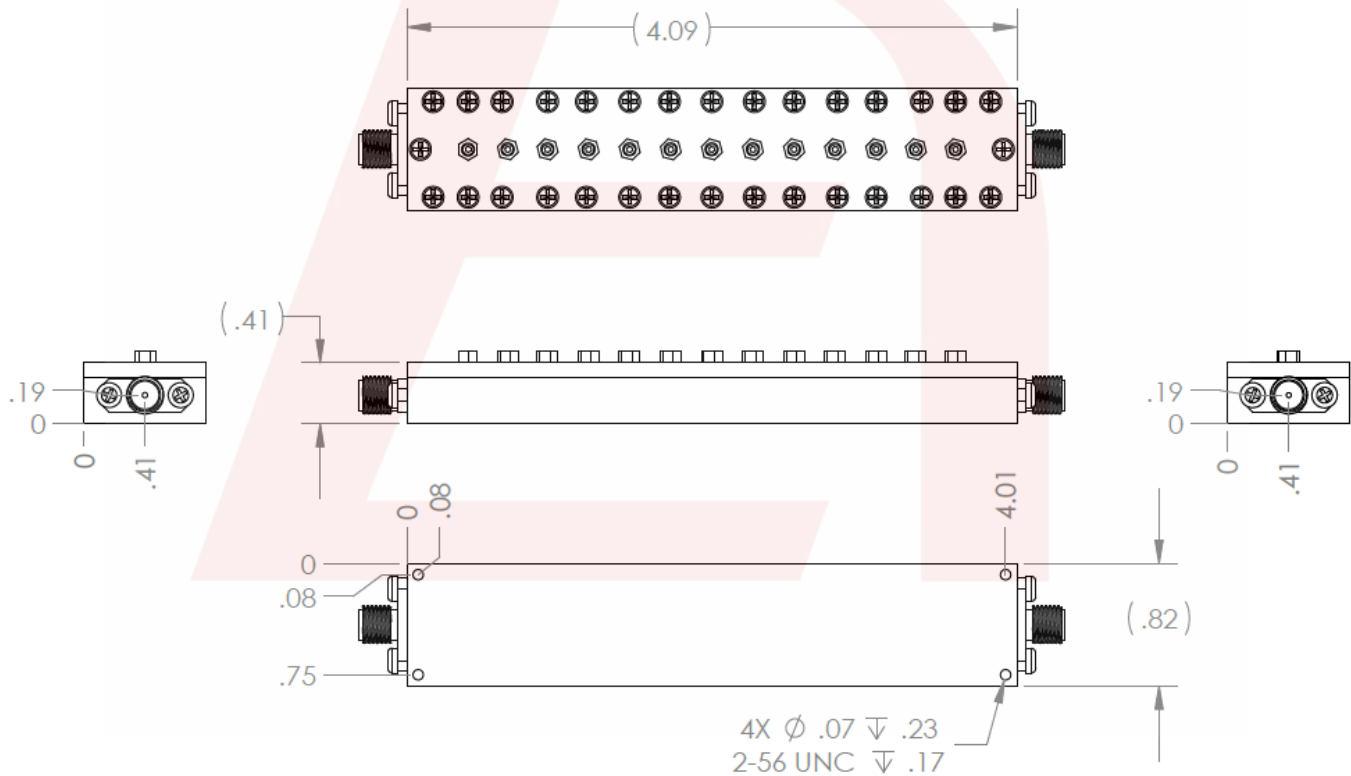
### Mechanical

**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.

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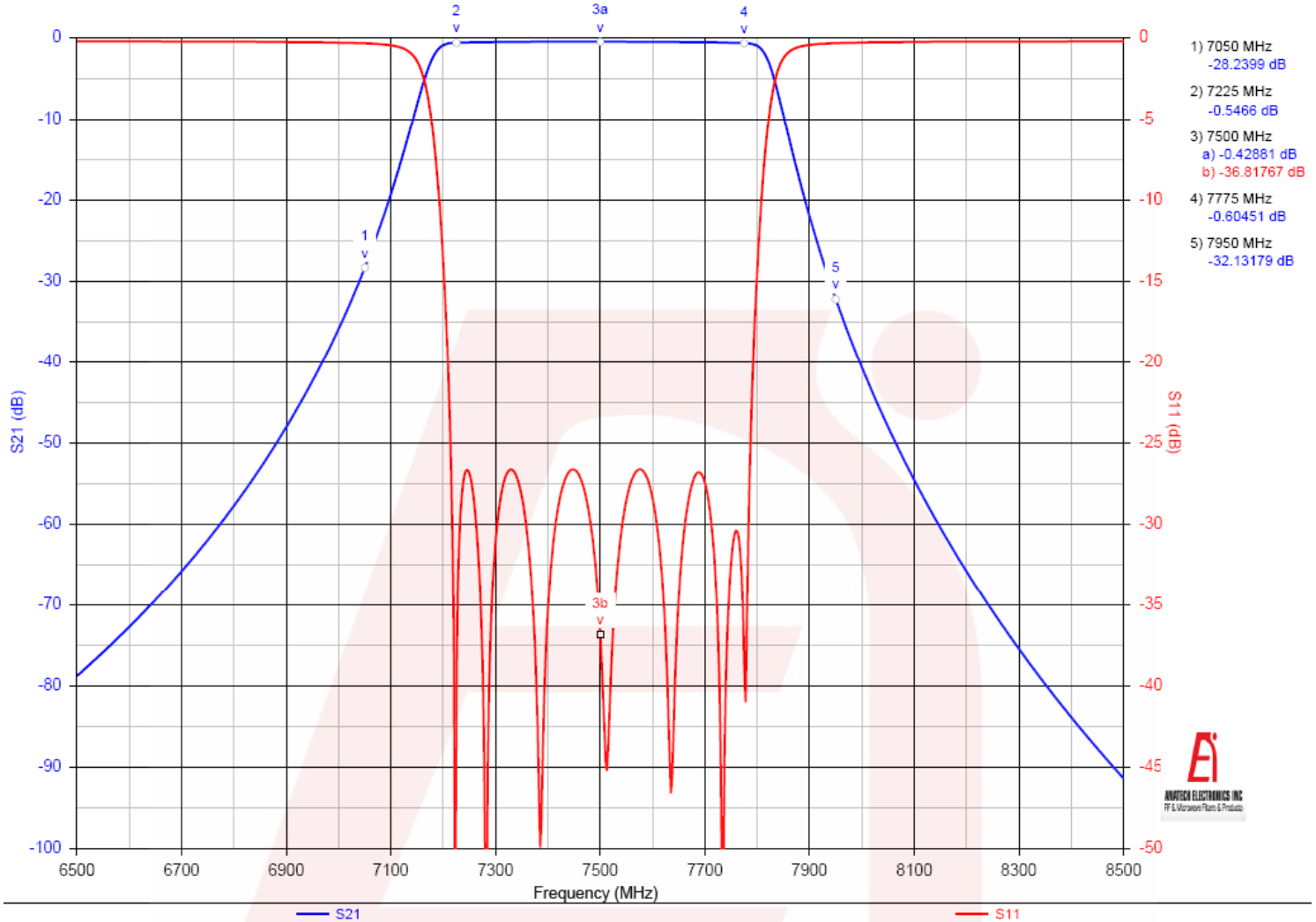


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### Response Plot:



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