



# 7125 MHz Cavity Band Pass Filter

Part Number: AE7125B11934



## Electrical Specifications

**Center Frequency:** 7125 MHz  
**Pass Band:** 6500-7750 MHz  
**Insertion Loss:** 1.0 dB Max  
**Return Loss:** 14 dB Min  
**Rejection 1:** ≥ 20 dB @ 6000 MHz  
**Rejection 2:** ≥ 30 dB @ 8100 MHz  
**Power Handling:** 40 W Max

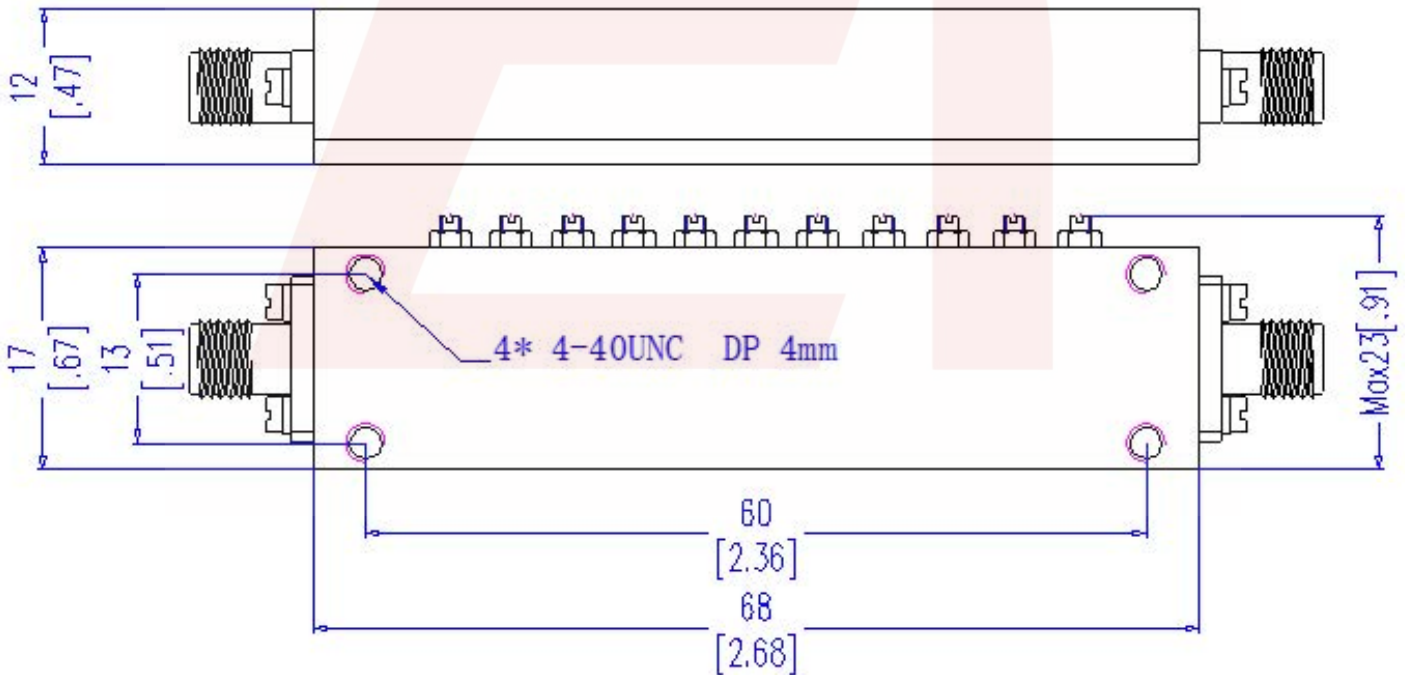
## Mechanical

**Mounting Method:** 4-40 Threaded Holes  
**Connector Type:** SMA Female  
**Dimensions:** 2.68 x 0.67 x 0.47 in  
**Surface finish:** Black Painted

## Environmental

**Operating Temperature:** -40 to +70° C  
**Storage Temperature:** -55 to +85° C  
**Shock:** 20 G. 11ms

## 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.



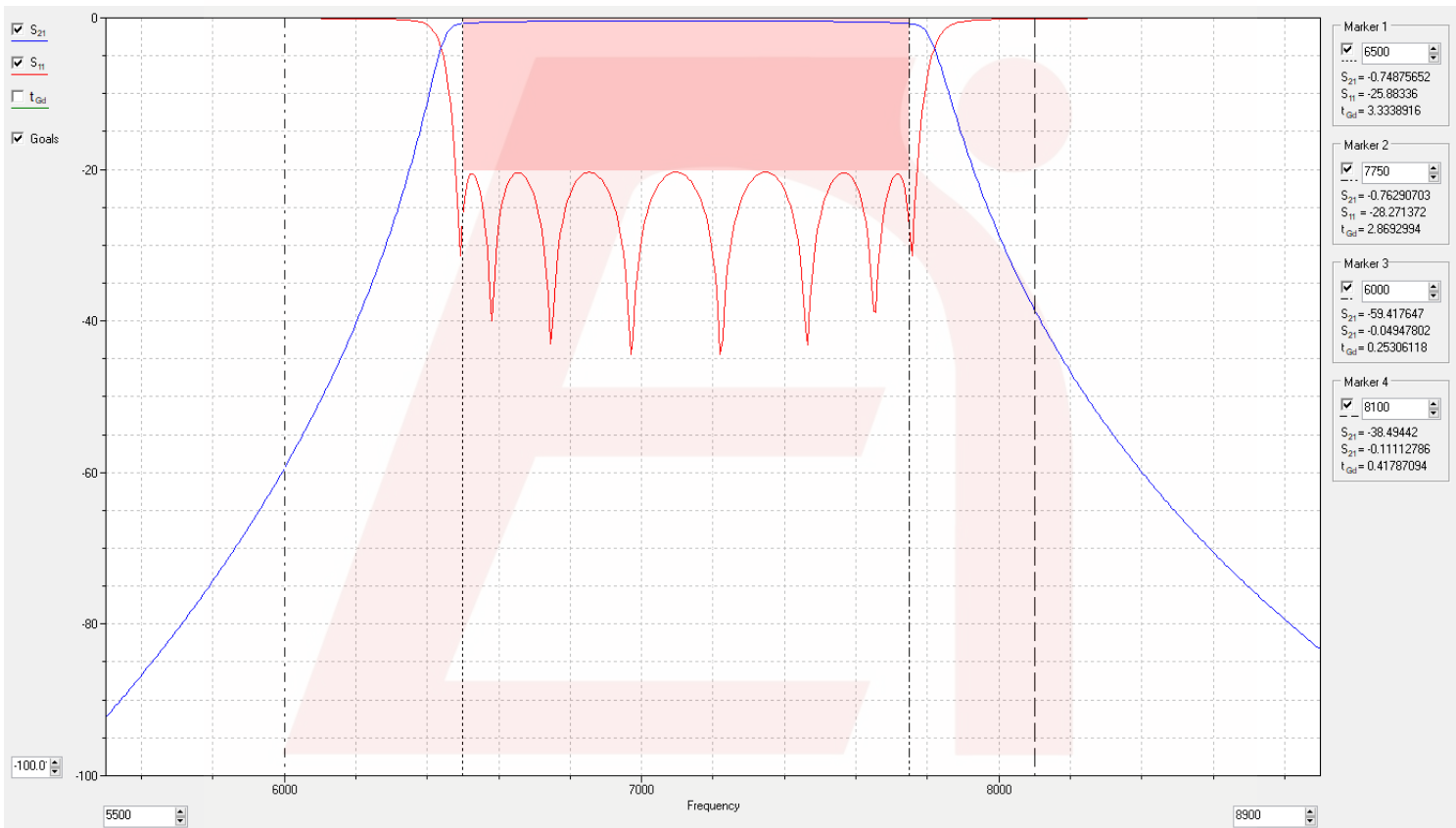
**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products

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## Response Plot:



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

Angles: +/- 1 Deg.

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