



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

## 700 MHz LC Bandpass Filter

Part Number: AE700B9509



### Electrical Specifications

**Center Frequency:** 700 MHz  
**1-dB Passband :** 600 MHz to 800 MHz  
**Insertion Loss:** 1dB Max. @ 700 MHz  
**Return Loss:** 14dB Min. @ 600 MHz to 800 MHz  
**Rejection1:** 45dB Min. @ 0-400 MHz  
**Rejection2:** 45dB Min. @ 1100-3000 MHz  
**Impedance:** 50 Ohms In/Out  
**Power Handling:** 20 W CW

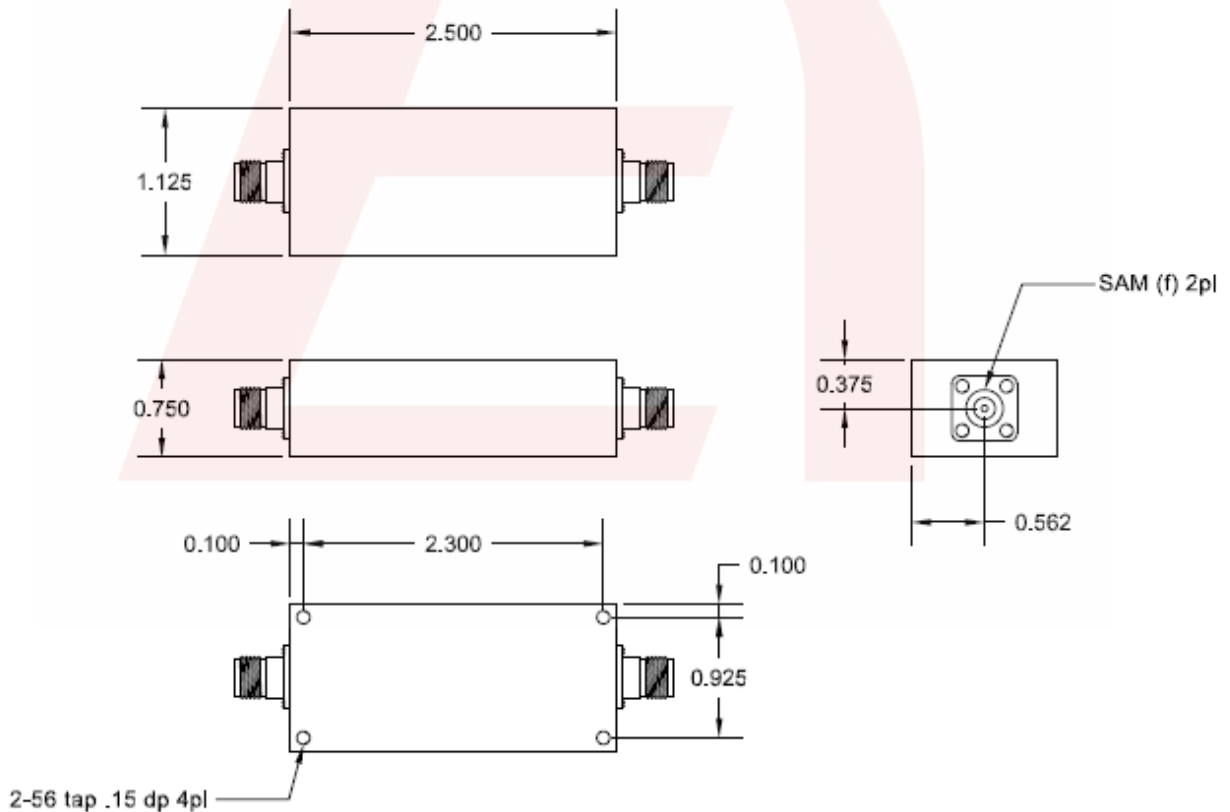
### Mechanical

**Mounting Method:** Threaded Holes  
**Connector Type:** SMA (F)  
**Dimensions:** 2.50 x 1.125 x 0.750 in

### Environmental

**Operating Temperature:** -25°C to +70°C  
**Storage Temperature:** -40°C to +90°C  
**Shock:** 10 G. 11ms  
**Vibration:** 10 G. 5 to 2000Hz

### 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.

DS-B9509-09032024-Rev2



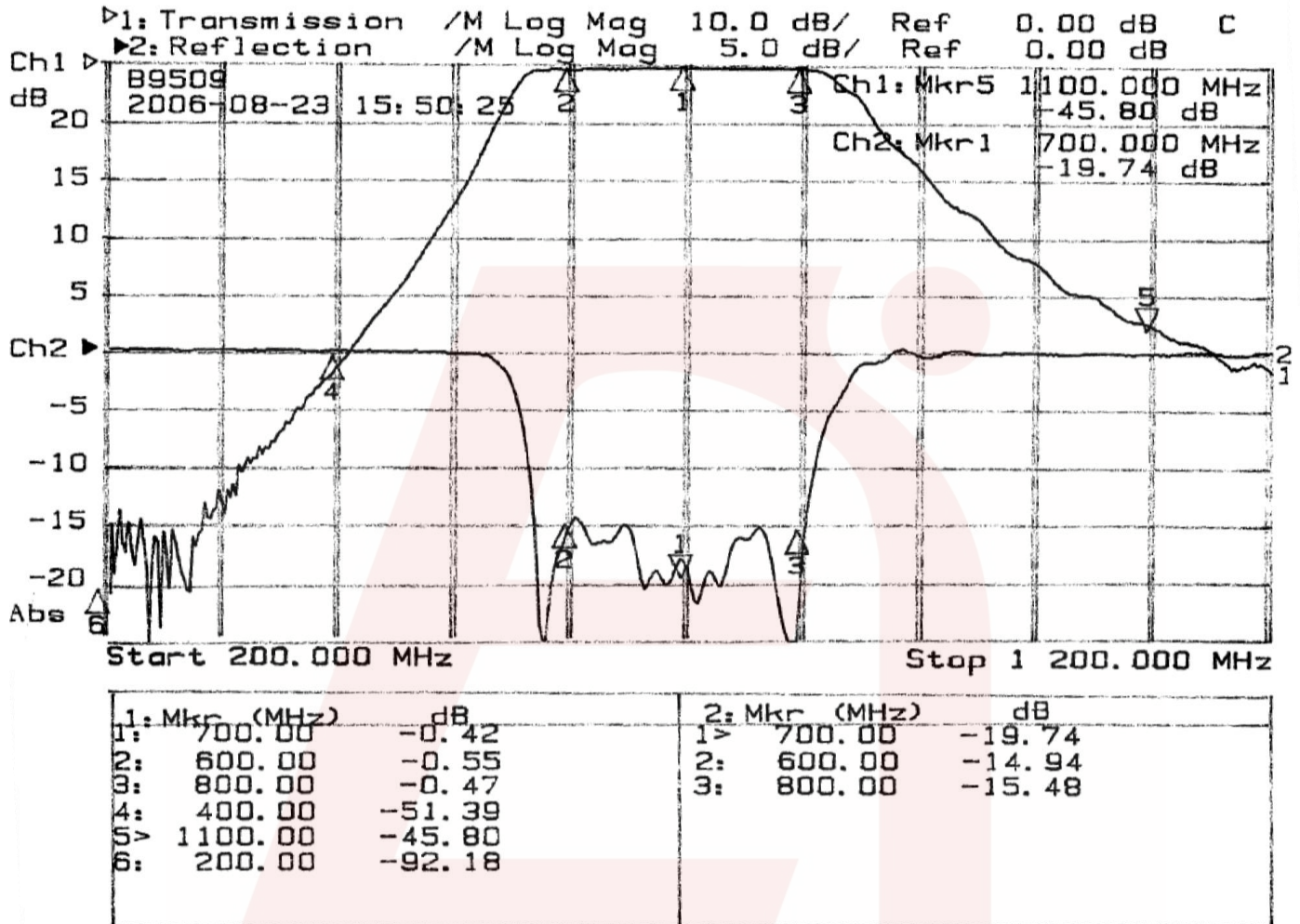
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### Response Plot:



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