



**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:** 50dB Min. @ 0-400 MHz  
**Rejection2:** 50dB Min. @ 1100-3000 MHz  
**Impedance:** 50 Ohms

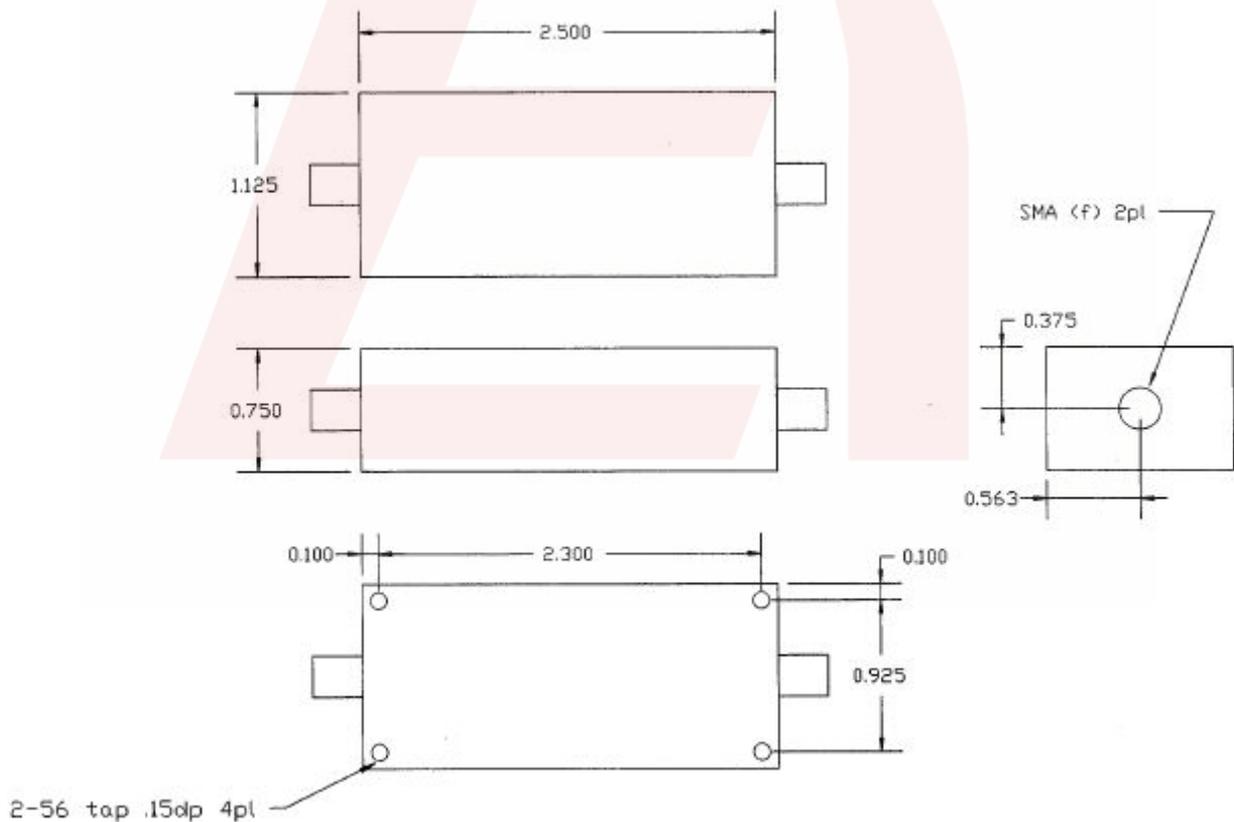
## Mechanical

**Connector Type:** SMA(Female)  
**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 200Hz

## Outline Drawing:



Tolerance: +/-0.01 inches [ +/- 0.3mm]  
 Angles: +/- 1 Deg.

DS-B9509-04082019-Rev0

\*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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**Response Plot:**

