



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

## 6.9 MHz LC Band Pass Filter

**Part Number: AE6.9B5512**



### Electrical Specifications

**Center Frequency:** 6.9 MHz  
**0.3dB Bandwidth:** 700 KHz  
**Insertion Loss:** 1.75 dB Max.  
**Return Loss:** 15 dB Min.  
**Rejection:**  $\geq 30$  dB @ 5.4 MHz  
**Rejection2:**  $\geq 48$  dB @ 16.8MHz  
**Impedance:** 50 Ohms

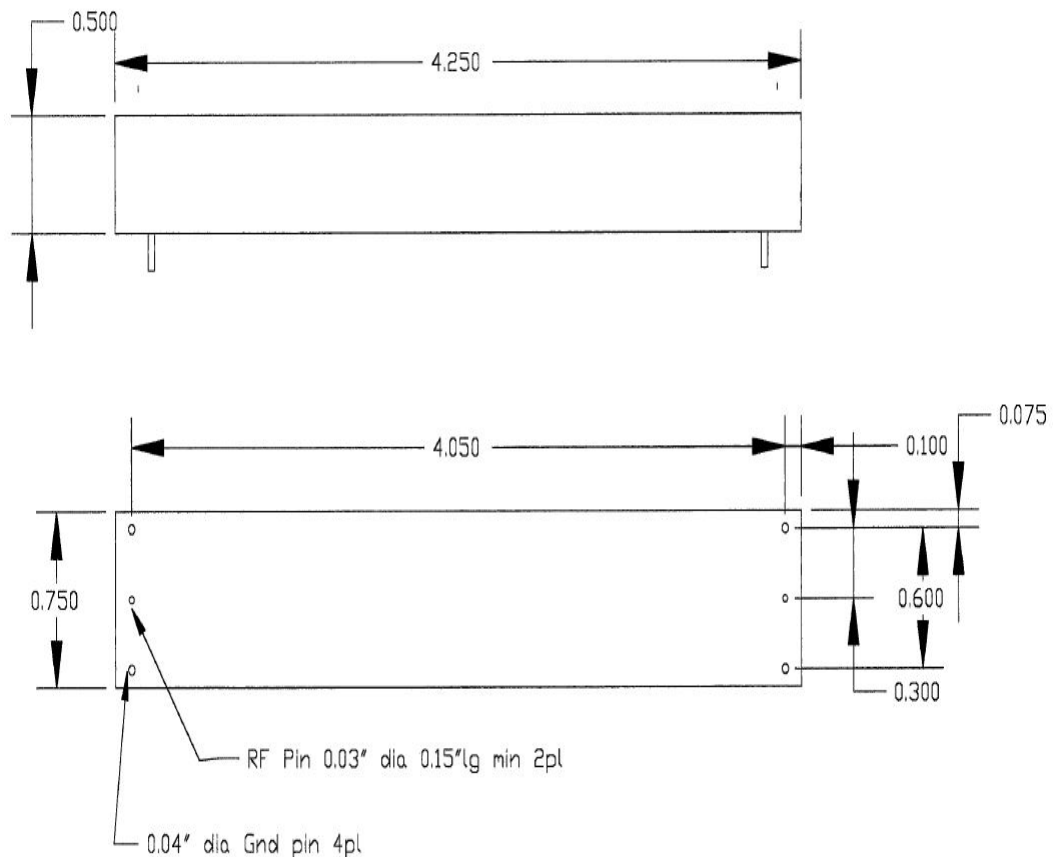
### Mechanical

**Connector Type:** PC-Mount  
**Dimensions:** 4.25" X 0.75" x 0.5" approx.

### 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.

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

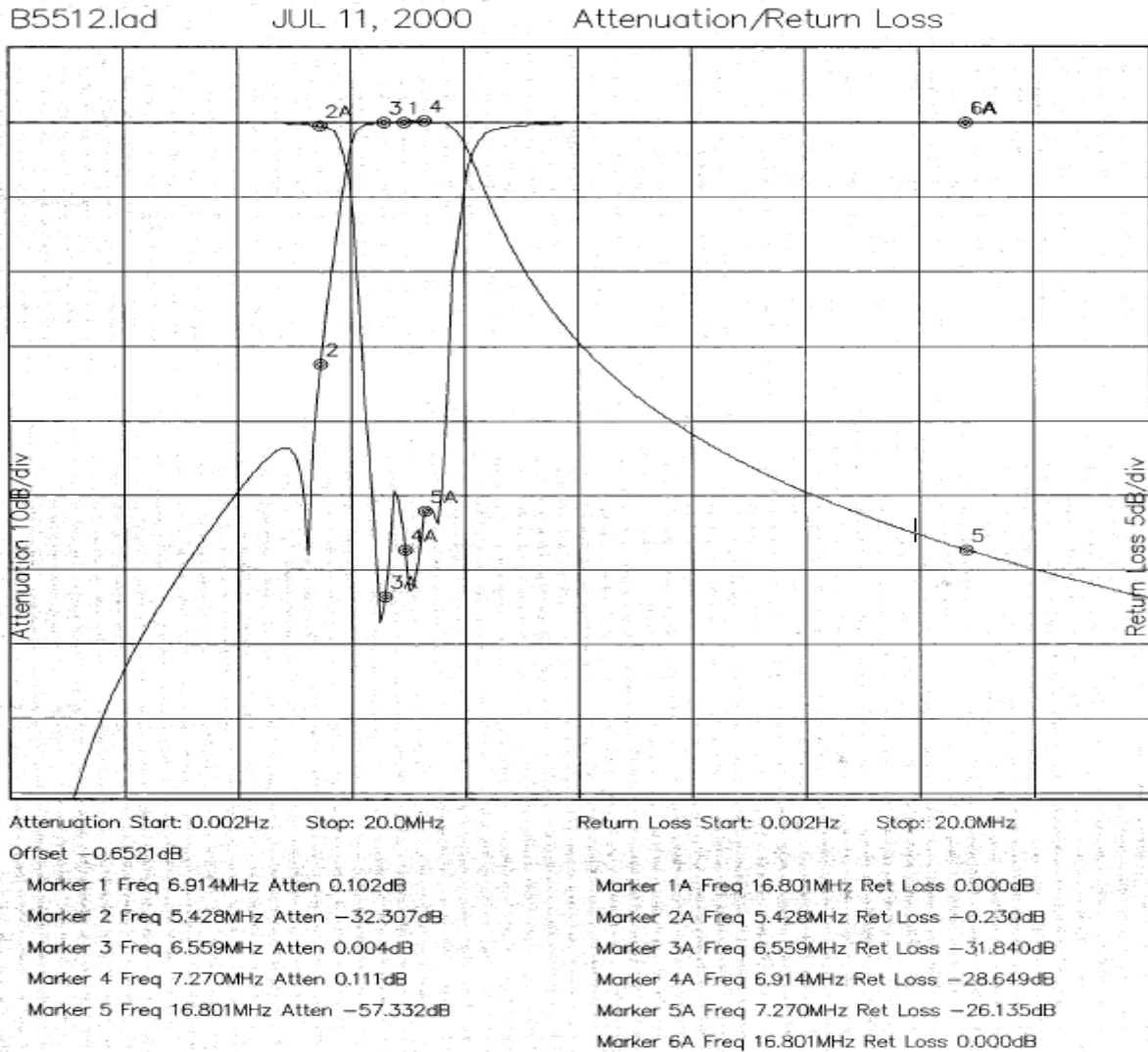
\*When max dimensions are called out the above tolerances do not apply as long as it is under the max call out.

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**Simulation Plot:**



Note: This is a simulation Plot. Actual response plot might differ once product is manufactured.