



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

## 360 MHz LC Bandpass Filter

Part Number: AE360B10008



### Electrical Specifications

**Center Frequency:** 360 MHz  
**Bandwidth:** 262 MHz  
**Passband :** 231 MHz to 492 MHz  
**Insertion Loss:**  $\leq 1\text{dB}@360\text{ MHz}$   
**Return Loss:**  $>15\text{dB @ } 231\text{ MHz to } 492\text{ MHz}$   
**Rejection:**  $>60\text{dB @ } 0\text{-}100\text{ MHz}$   
**Rejection2:**  $>15\text{dB @ } 210\text{ MHz to } 216\text{ MHz}$   
**Rejection3:**  $>35\text{dB @ } 800\text{ MHz to } 5000\text{ MHz}$   
**Impedance:** 50 Ohms

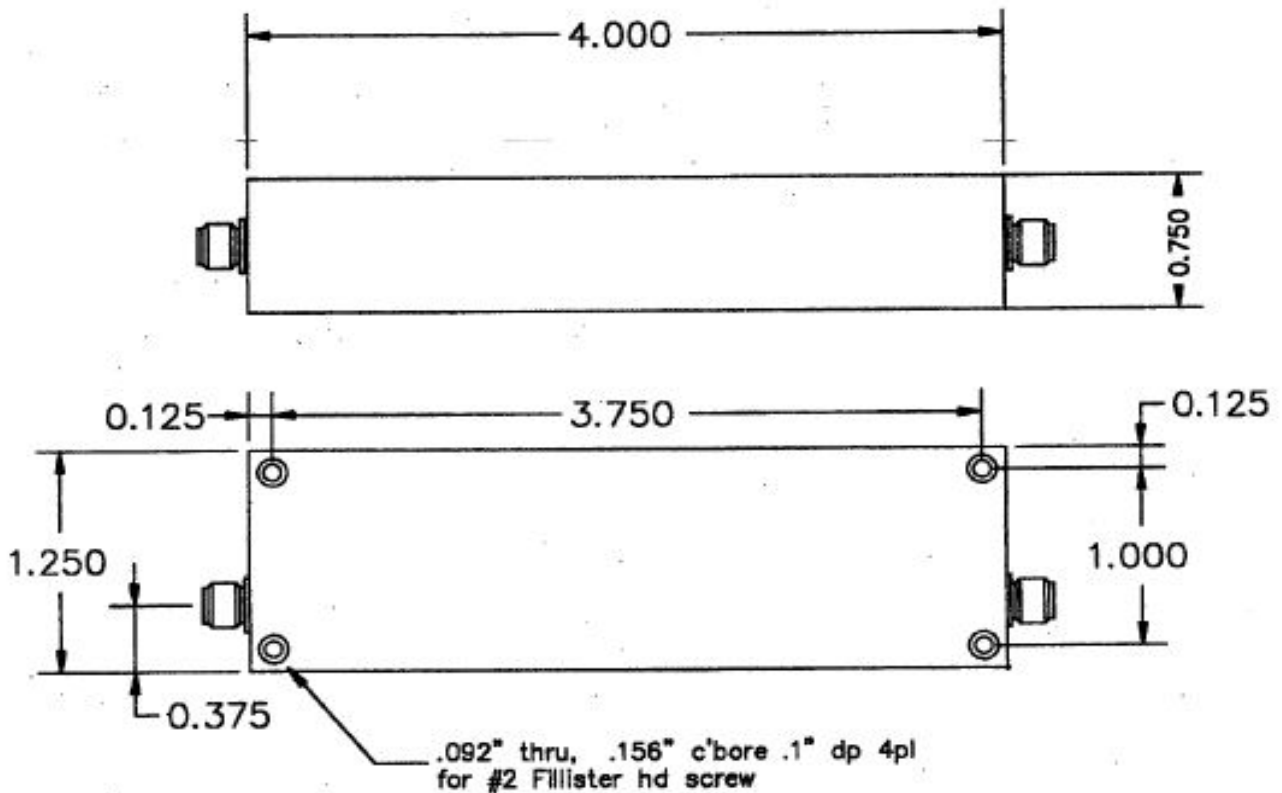
### Mechanical

**Mounting Method:** Through Holes  
**Connector Type:** SMA  
**Dimensions:** 4.0" x 1.25" x 0.75" in.

### Environmental

**Operating Temperature:**  $-25^{\circ}\text{C to } +70^{\circ}\text{C}$   
**Storage Temperature:**  $-40^{\circ}\text{C to } +90^{\circ}\text{C}$   
**Shock:** 10 G. 11ms  
**Vibration:** 10 G. 5 to 200Hz

### Outline Drawing:



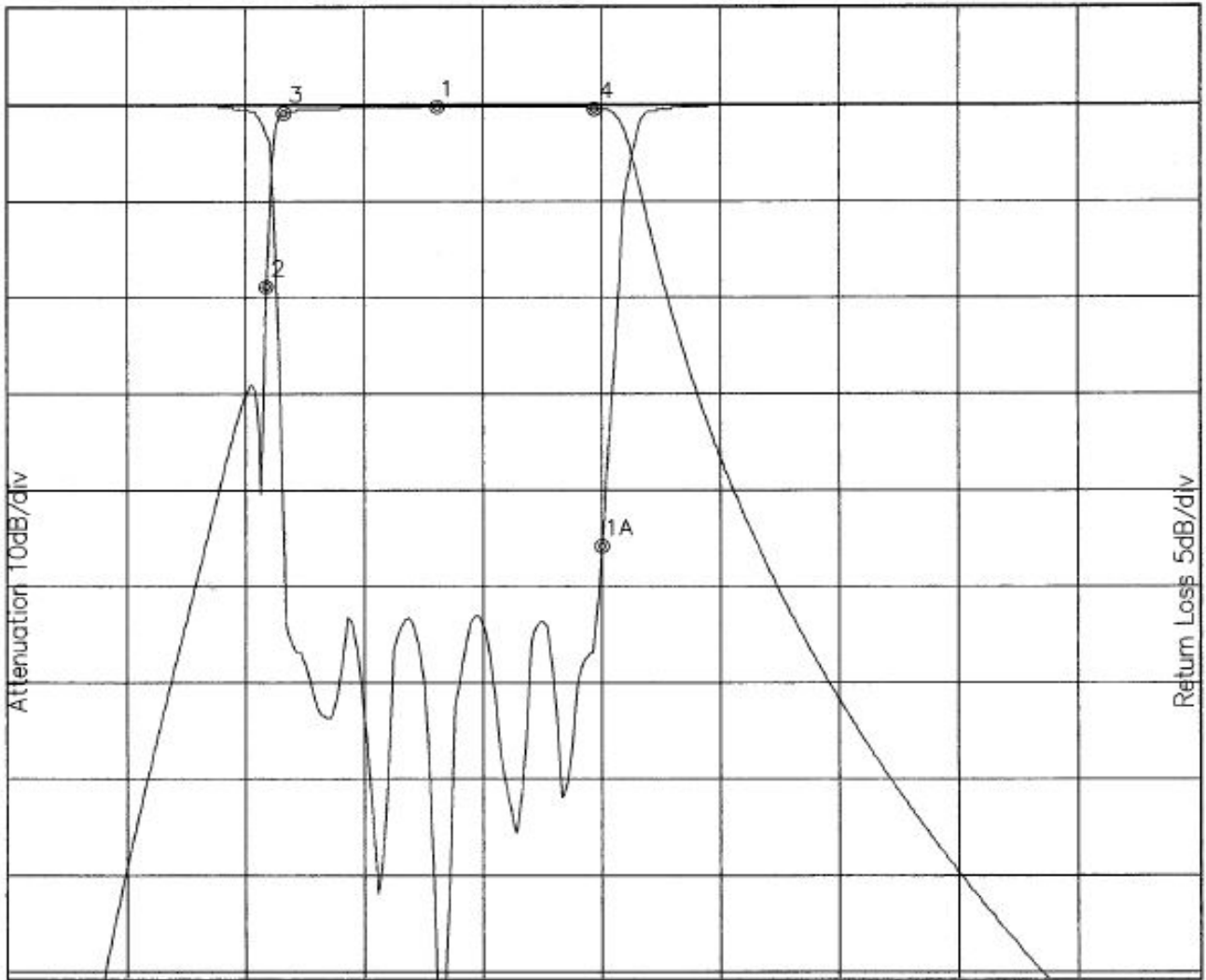


### Response Plot:

B10008.lad

FEB 13, 2008

Attenuation/Return Loss



Attenuation Start: 0.10Hz Stop: 1000.0MHz

Return Loss Start: 0.10Hz Stop: 1000.0MHz

Marker 1 Freq 360.25MHz Atten -0.231dB  
Marker 2 Freq 216.47MHz Atten -18.809dB  
Marker 3 Freq 231.01MHz Atten -0.861dB  
Marker 4 Freq 492.73MHz Atten -0.345dB

Marker 1A Freq 499.19MHz Ret Loss -22.915dB