



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

## 65.8 MHz LC Bandpass Filter

Part Number: AE65.8B10158



### Electrical Specifications

**Center Frequency:** 65.8 MHz  
**Bandwidth:** 4 MHz  
**Passband :** 63.8 MHz to 67.8 MHz  
**Insertion Loss:**  $\leq 5.0\text{dB}$  @ 65.8 MHz  
**Return Loss:**  $>15\text{dB}$  @ 63.8 MHz to 67.8 MHz  
**Rejection:**  $>35\text{dB}$  @ 0-61.8 MHz  
**Rejection2:**  $>35\text{dB}$  @ 69.8 MHz to 500 MHz  
**Impedance:** 50 Ohms

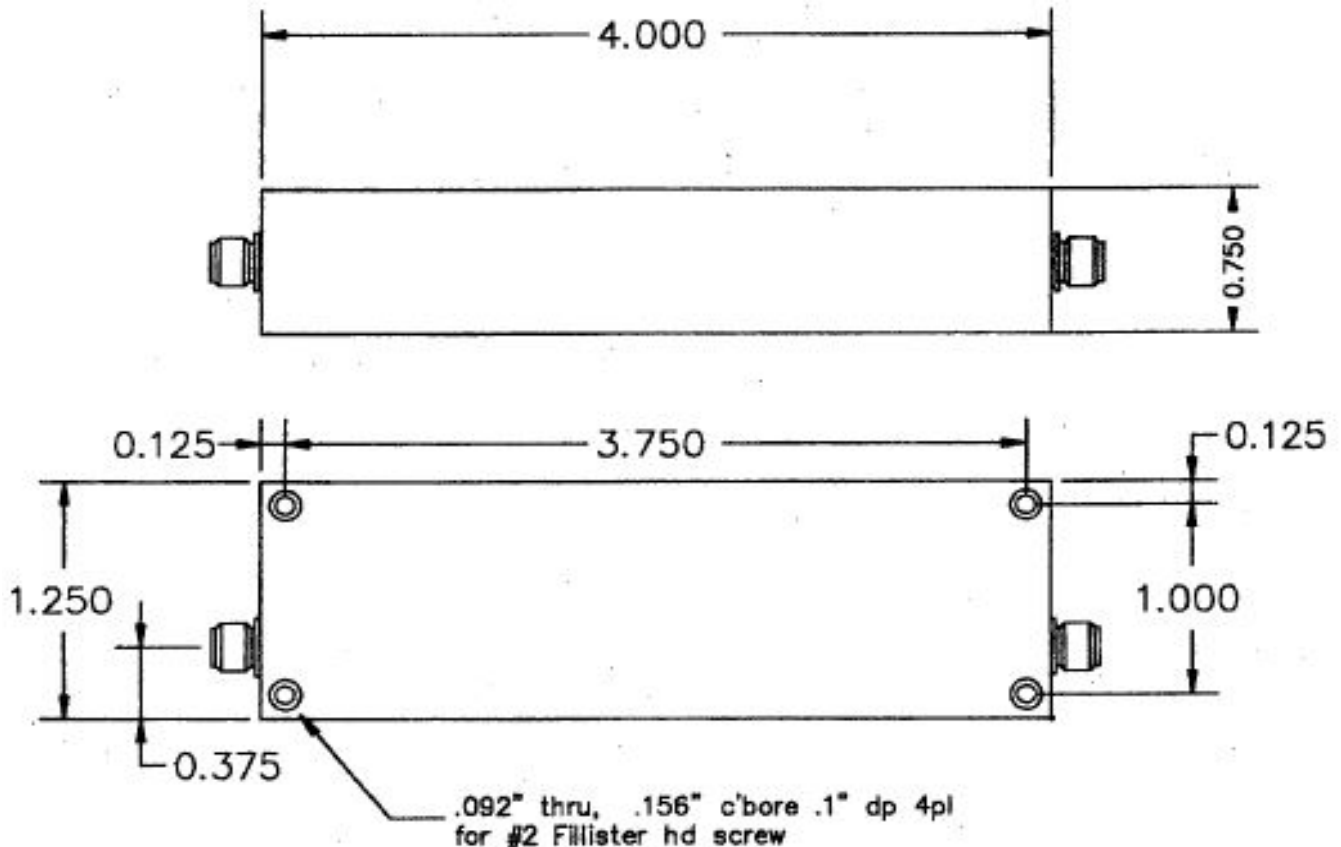
### Mechanical

**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:

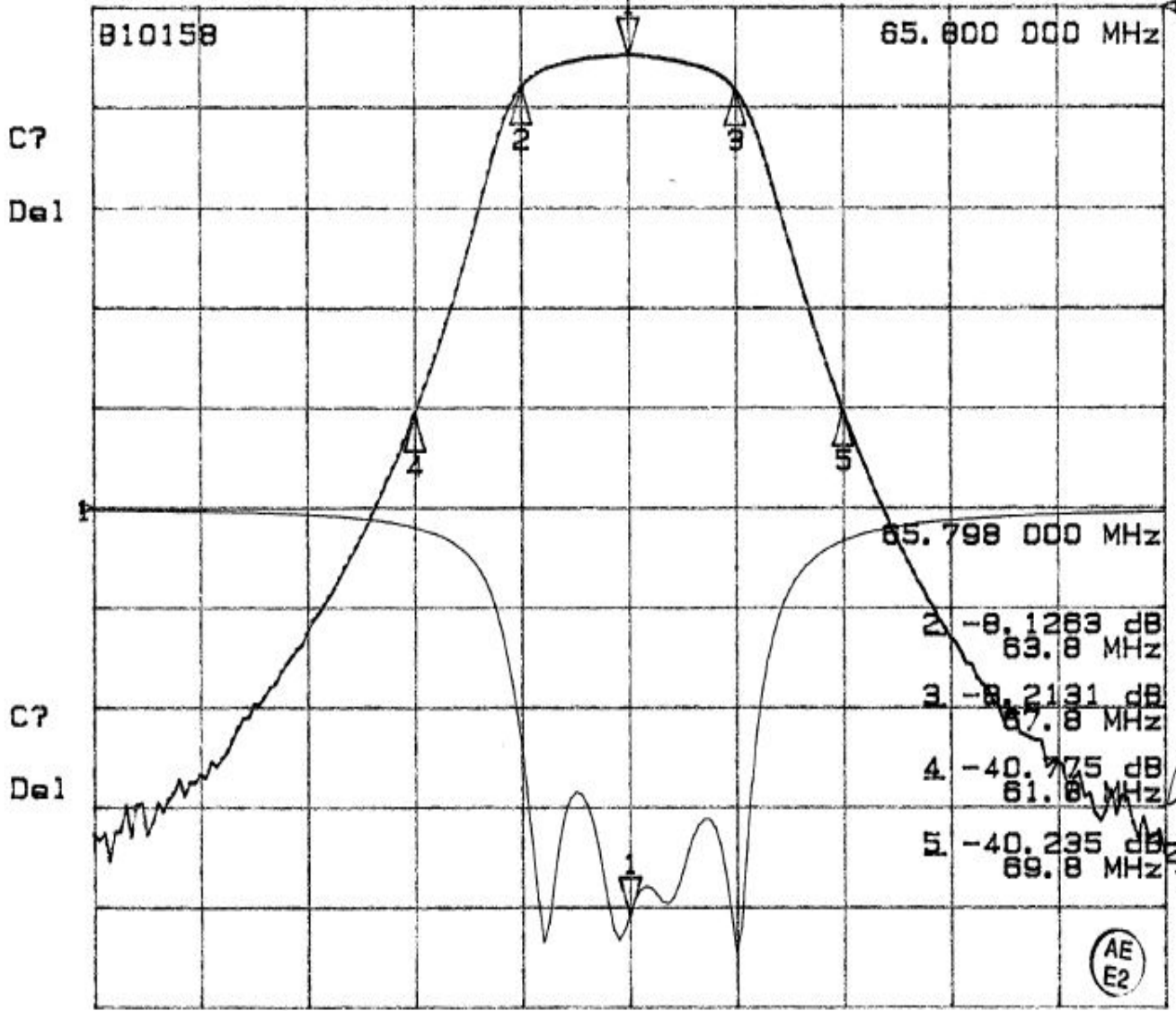




**Response Plot:**

11 Sep 2008 15:37:05

CH1 S<sub>11</sub> log MAG 5 dB/ REF 0 dB 1 -20.348 dB  
CH2 S<sub>21</sub> log MAG 10 dB/ REF 0 dB 1 -4.77 dB



START 55.800 000 MHz STOP 75.800 000 MHz