



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

## 750 MHz LC Bandpass Filter

Part Number: AE750B10012



### Electrical Specifications

**Center Frequency:** 750 MHz  
**Bandwidth:** 263 MHz  
**Passband :** 623 MHz to 886 MHz  
**Insertion Loss:**  $\leq 1\text{dB}$  @ 750 MHz  
**Return Loss:**  $>15\text{dB}$  @ 623 MHz to 886 MHz  
**Rejection:**  $>60\text{dB}$  @ 0-100 MHz  
**Rejection2:**  $>15\text{dB}$  @ 595 MHz to 602 MHz  
**Rejection3:**  $>50\text{dB}$  @ 1000 MHz to 5000 MHz  
**Impedance:** 50 Ohms

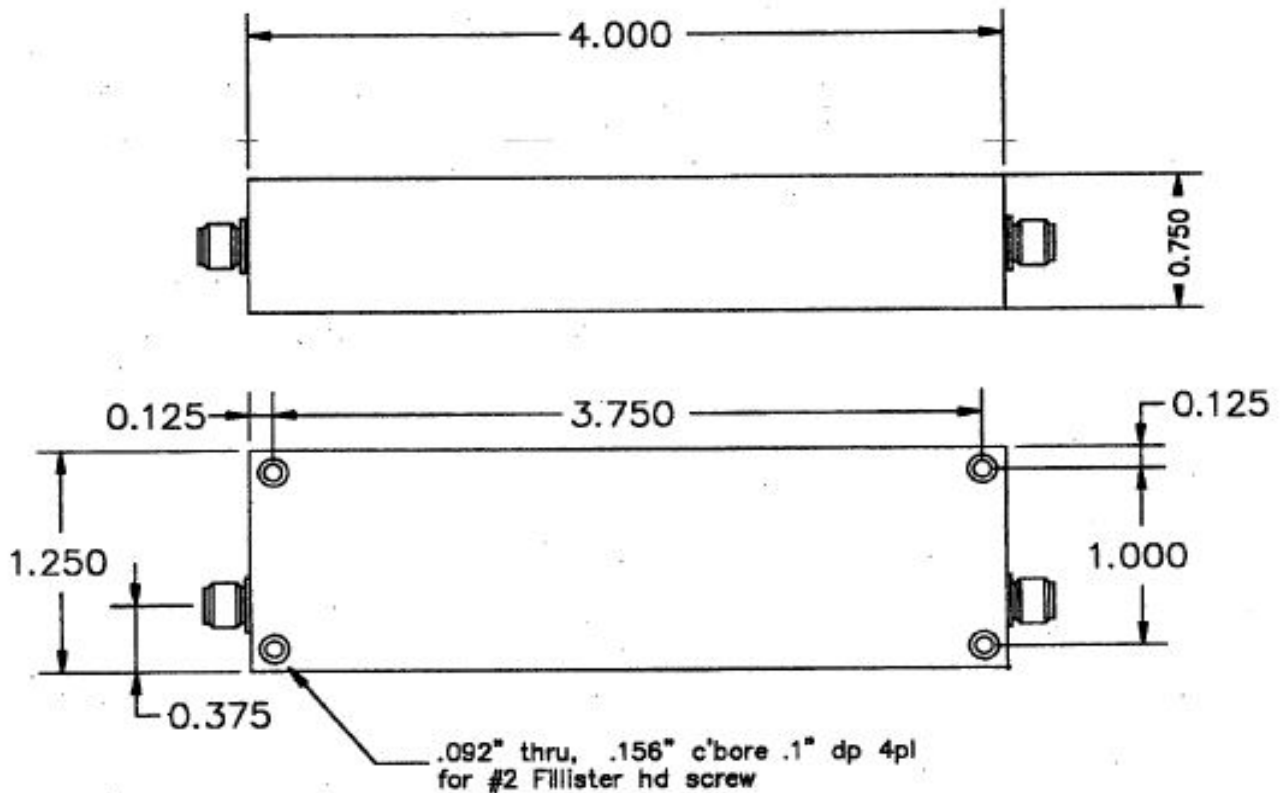
### Mechanical

**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

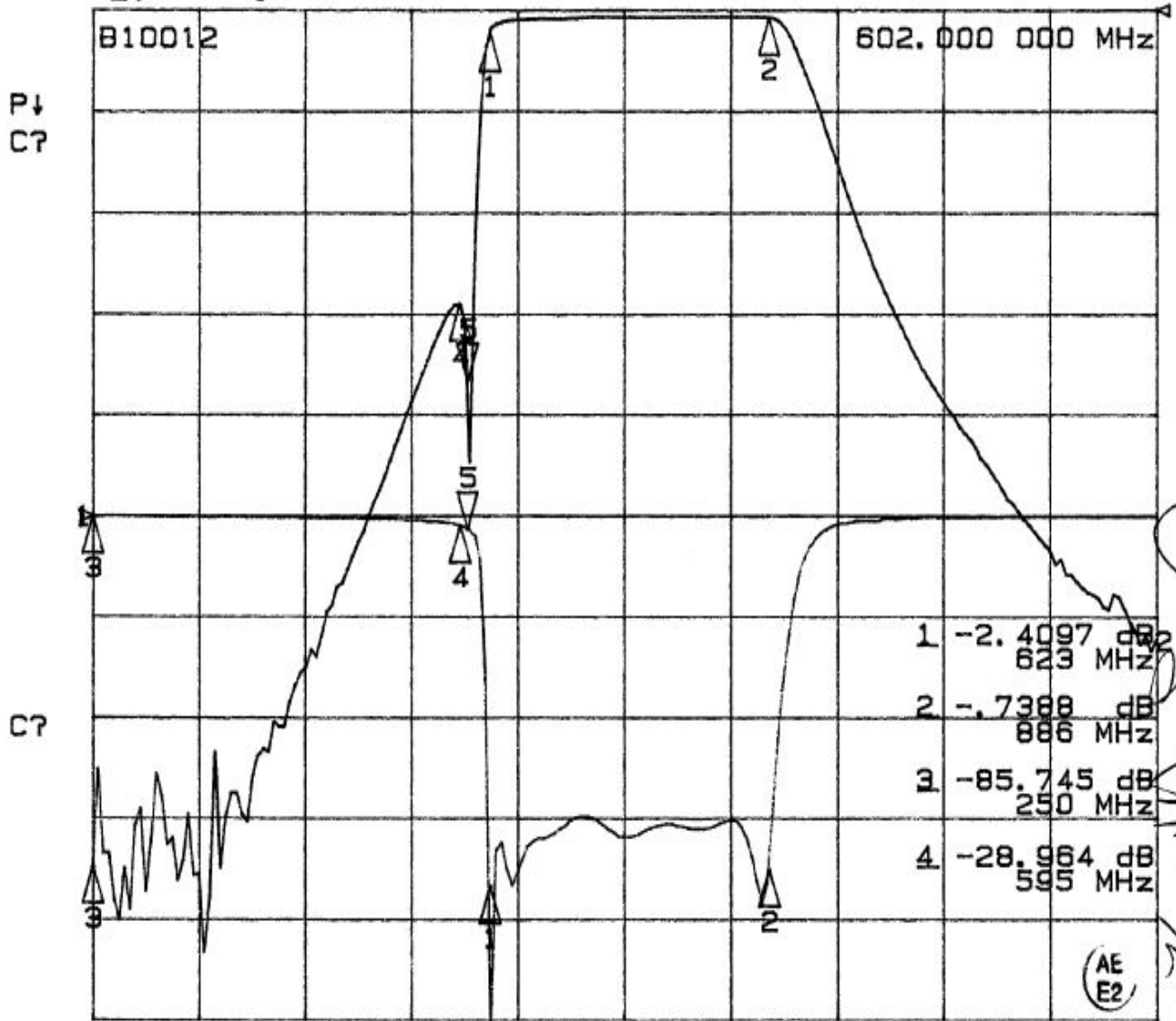
### Outline Drawing:





**Response Plot:**

14 Mar 2008 11:08:44  
 CH1 S<sub>11</sub> log MAC 5 dB/ REF 0 dB 5: -.6057 dB  
 CH2 S<sub>21</sub> log MAC 10 dB/ REF 0 dB 5: -36.45 dB



CENTER 750.000 000 MHz

SPAN 1 000.000 000 MHz

(AE E2)

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