



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

## 78.45 MHz LC Bandpass Filter

Part Number: AE78.45B10057



### Electrical Specifications

**Center Frequency:** 78.45 MHz  
**Bandwidth:** 2 MHz  
**Passband :** 77.45 MHz to 79.45 MHz  
**Insertion Loss:**  $\leq 6\text{dB}$  @ 78.45 MHz  
**Return Loss:**  $>15\text{dB}$  @ 78 MHz to 78.9 MHz  
**Rejection:**  $>35\text{dB}$  @ 0-75.8 MHz  
**Rejection2:**  $>10\text{dB}$  @ 78.8 MHz  
**Rejection3:**  $>35\text{dB}$  @ 81.5 MHz  
**Impedance:** 50 Ohms

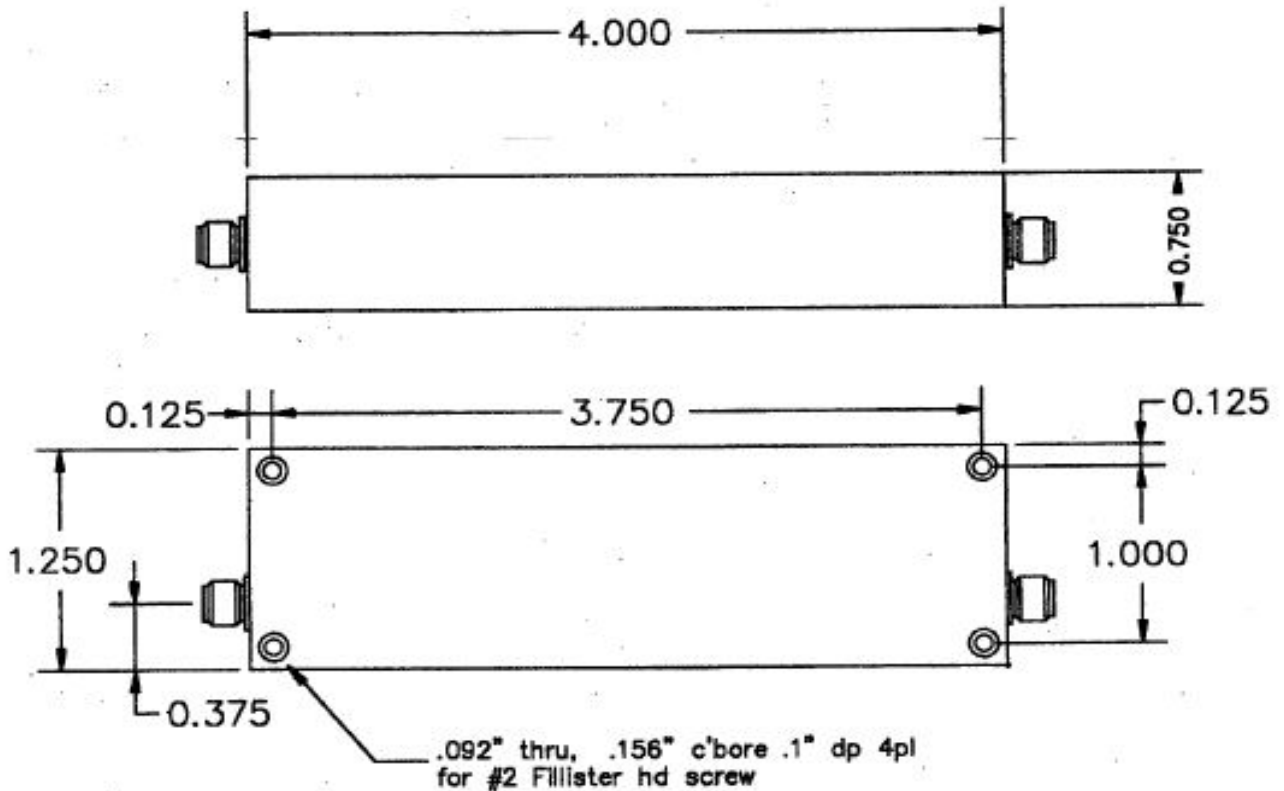
### Mechanical

**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:





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## Response Plot:

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CH1 S<sub>11</sub> log MAG 5 dB/ REF 0 dB 2 -18.714 dB  
CH2 S<sub>21</sub> log MAG 3 dB/ REF -5.224 dB 1 -18.86 dB

