



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

## 350 MHz LC Bandpass Filter

Part Number: AE350B9834



### Electrical Specifications

**Center Frequency:** 350 MHz  
**Bandwidth:** 293 MHz  
**Passband :** 222 MHz to 515 MHz  
**Insertion Loss:**  $\leq 1\text{dB}$  @ 350 MHz  
**Return Loss:**  $>15\text{dB}$  @ 222 MHz to 515 MHz  
**Rejection:**  $>60\text{dB}$  @ 0-100 MHz  
**Rejection2:**  $>15\text{dB}$  @ 210 MHz to 216 MHz  
**Rejection3:**  $>35\text{dB}$  @ 1000 MHz to 5000 MHz  
**Impedance:** 50 Ohms

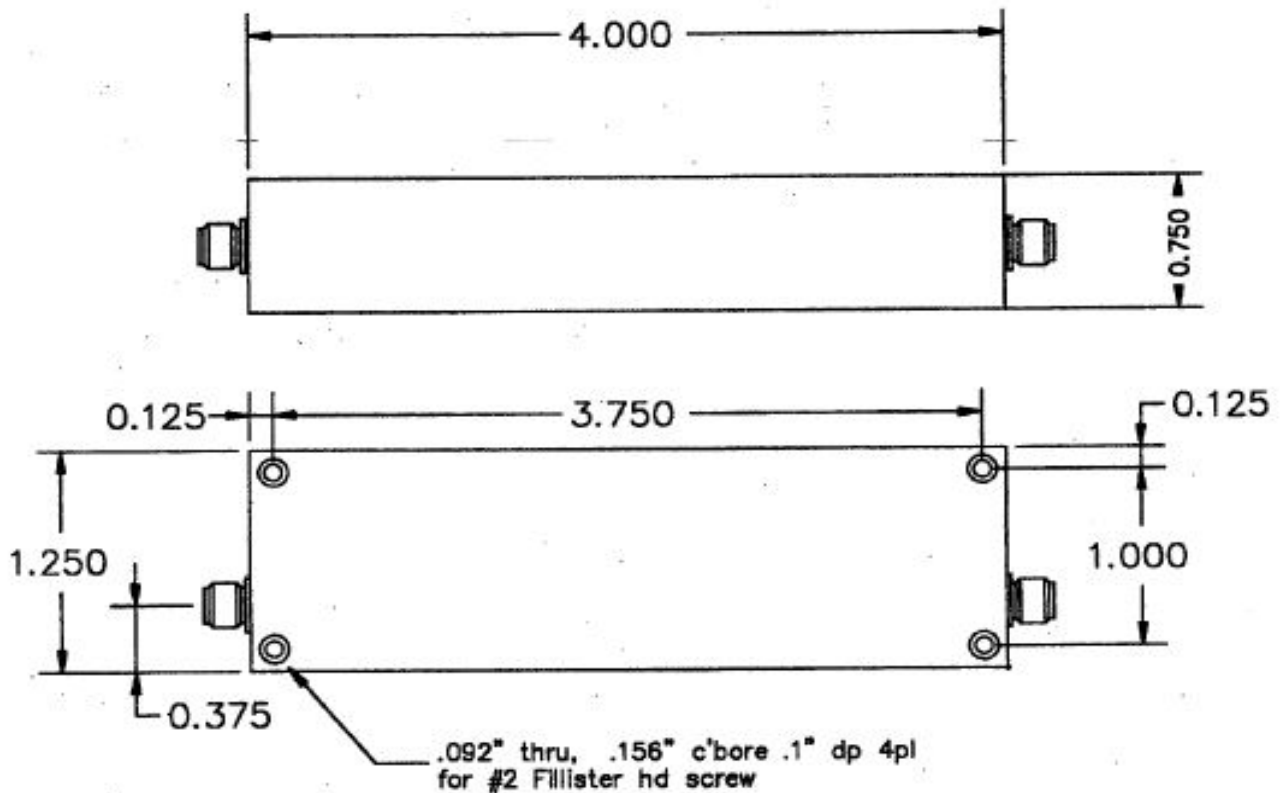
### Mechanical

**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:





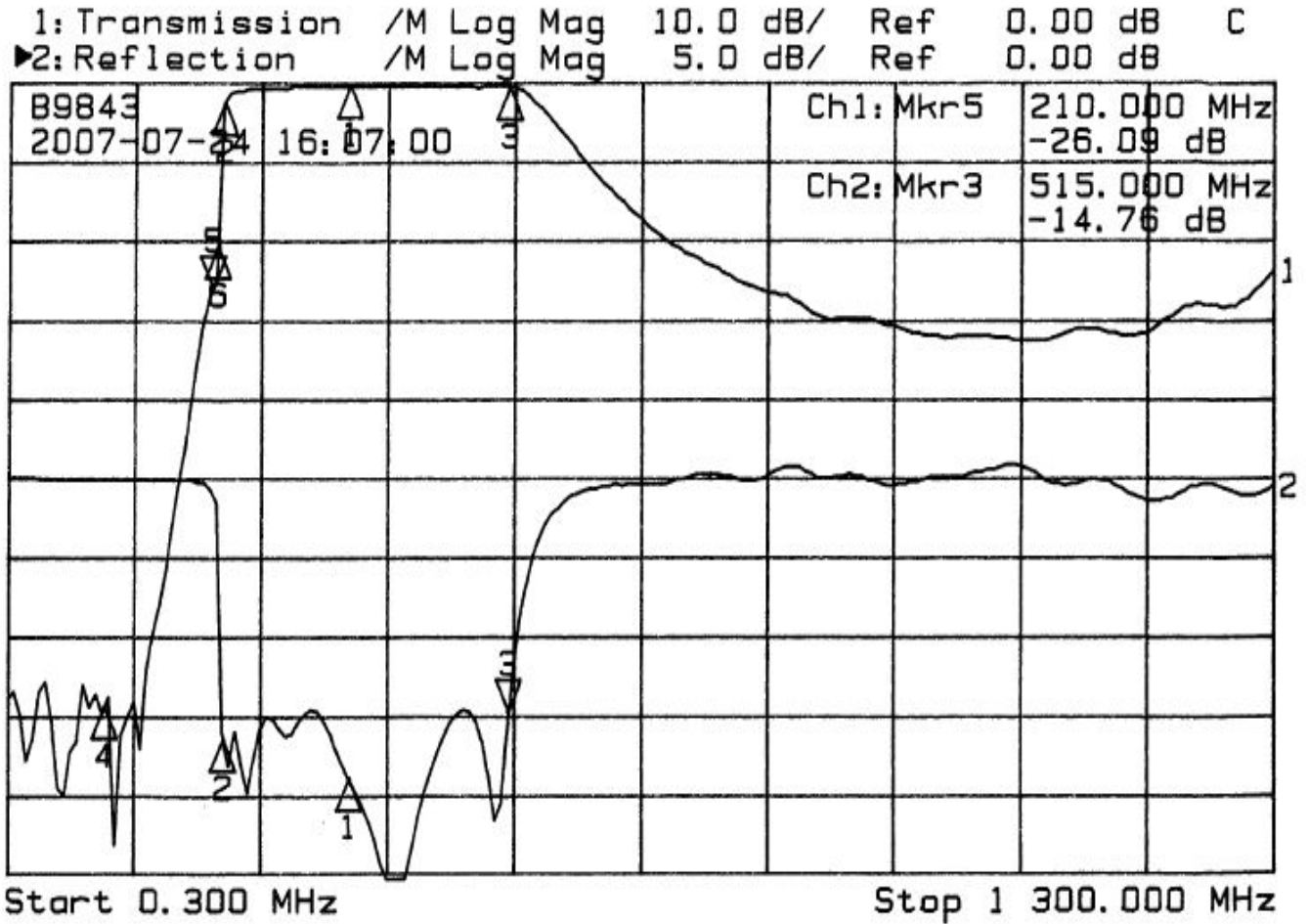
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## Response Plot:



1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1: 350.00	-0.35	1: 350.00	-18.94
2: 222.00	-2.35	2: 222.00	-16.33
3: 515.00	-0.48	3> 515.00	-14.76
4: 100.00	-78.87		
5> 210.00	-26.09		
6: 216.00	-20.65		

*[Signature]* (AE E2)