



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

## 400 MHz LC Bandpass Filter

Part Number: AE400B9835



### Electrical Specifications

**Center Frequency:** 400 MHz  
**Bandwidth:** 393 MHz  
**Passband :** 222 MHz to 615 MHz  
**Insertion Loss:**  $\leq 1\text{dB}$  @ 400 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

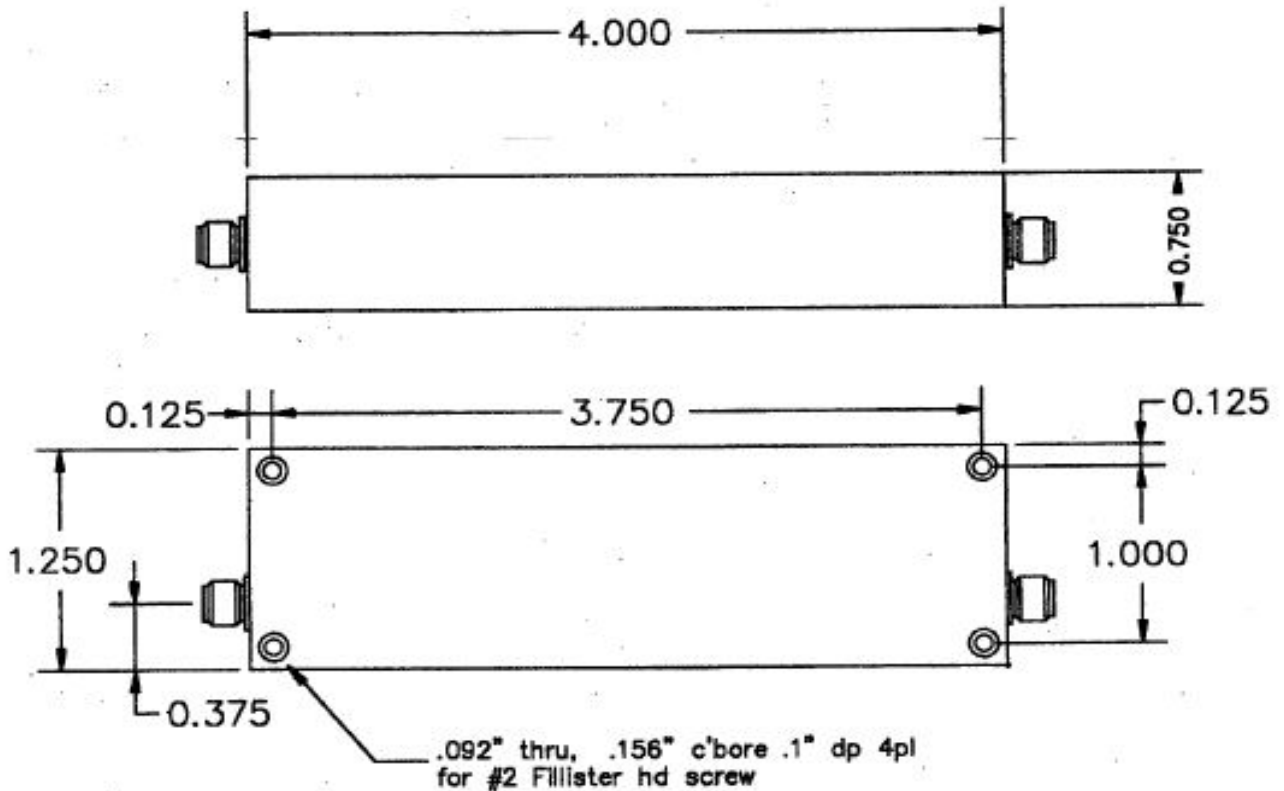
### Mechanical

**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:





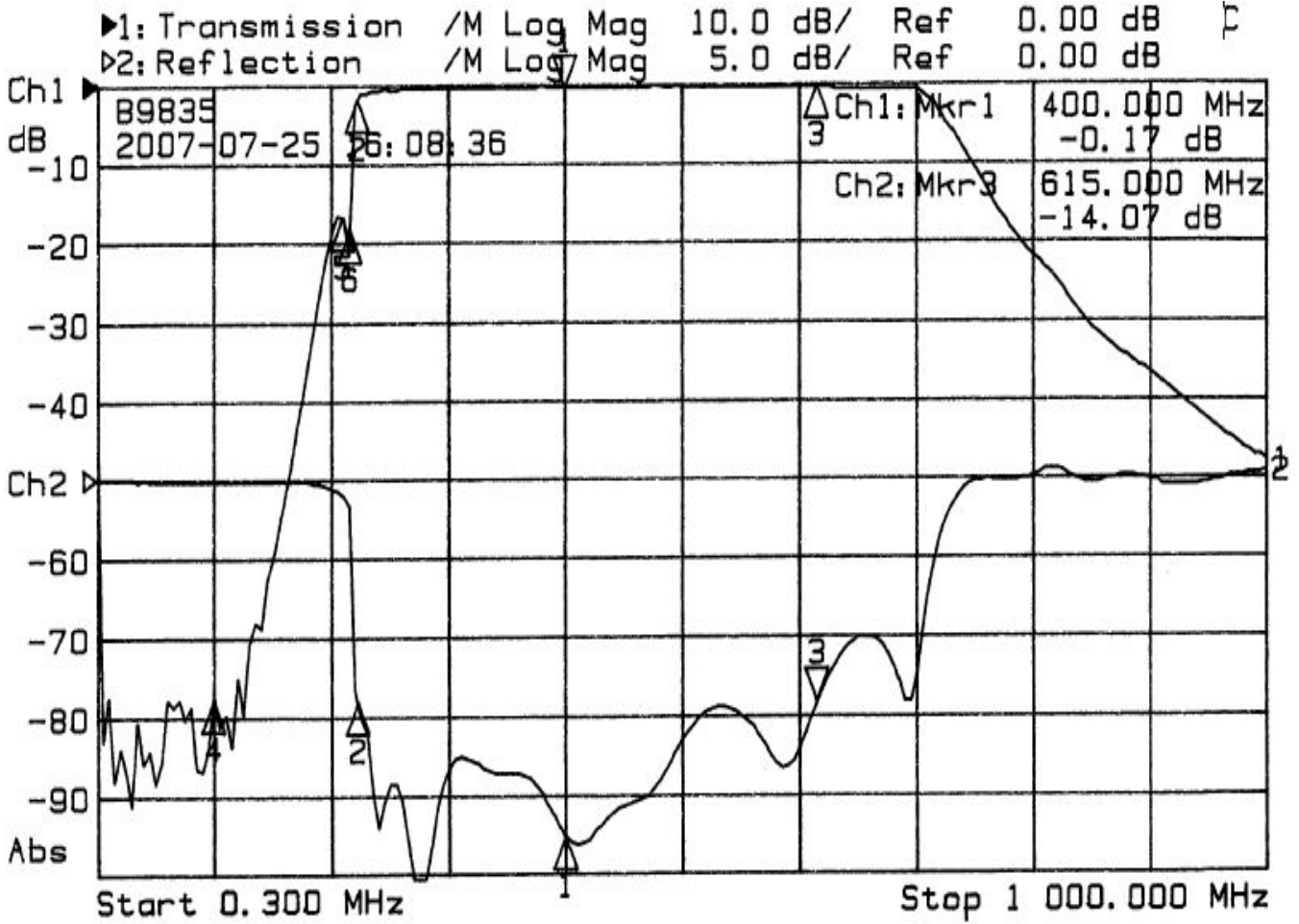
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## Response Plot:



1: Mkr (MHz) dB			2: Mkr (MHz) dB		
1>	400.00	-0.17	1:	400.00	-22.60
2:	222.00	-1.95	2:	222.00	-14.08
3:	615.00	-0.25	3>	615.00	-14.07
4:	100.00	-77.81			
5:	210.00	-16.92			
6:	216.00	-18.56			

