



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

## 450 MHz LC Band Pass Filter

Part Number: **AE450B5815**



### Electrical Specifications

**Center Frequency:** 450 MHz  
**Passband:** 410-490 MHz  
**Insertion Loss:** 3.0dB Max.  
**Return Loss:** 14dB Min.  
**Rejection:**  $\geq 30$ dB @ 10-90 MHz  
**Rejection2:**  $\geq 50$  dB @ 540-590 MHz  
**Rejection3:**  $\geq 40$  dB @ 960-1040 MHz

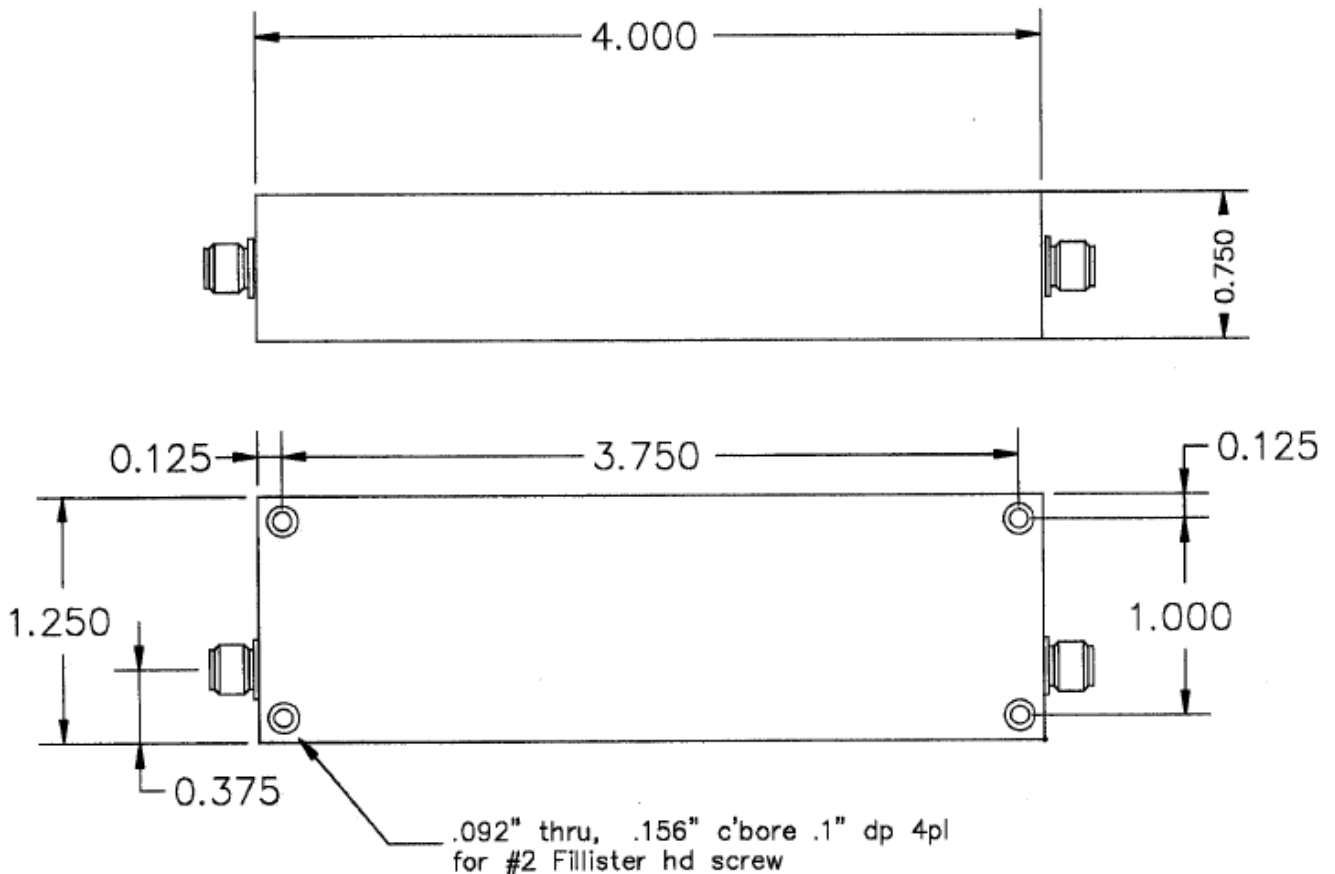
### Mechanical

**Mounting Method:** Through Holes  
**Connector Type:** SMA(F)  
**Dimensions:** 4.0" X 1.25" x 0.75" .

### Environmental

**Operating Temperature:** -25°C to +70°C  
**Storage Temperature:** -40°C to +90°C  
**Shock:** 10 G. 11ms  
**Vibration:** 10 G. 5 to 200Hz

### Outline Drawing:





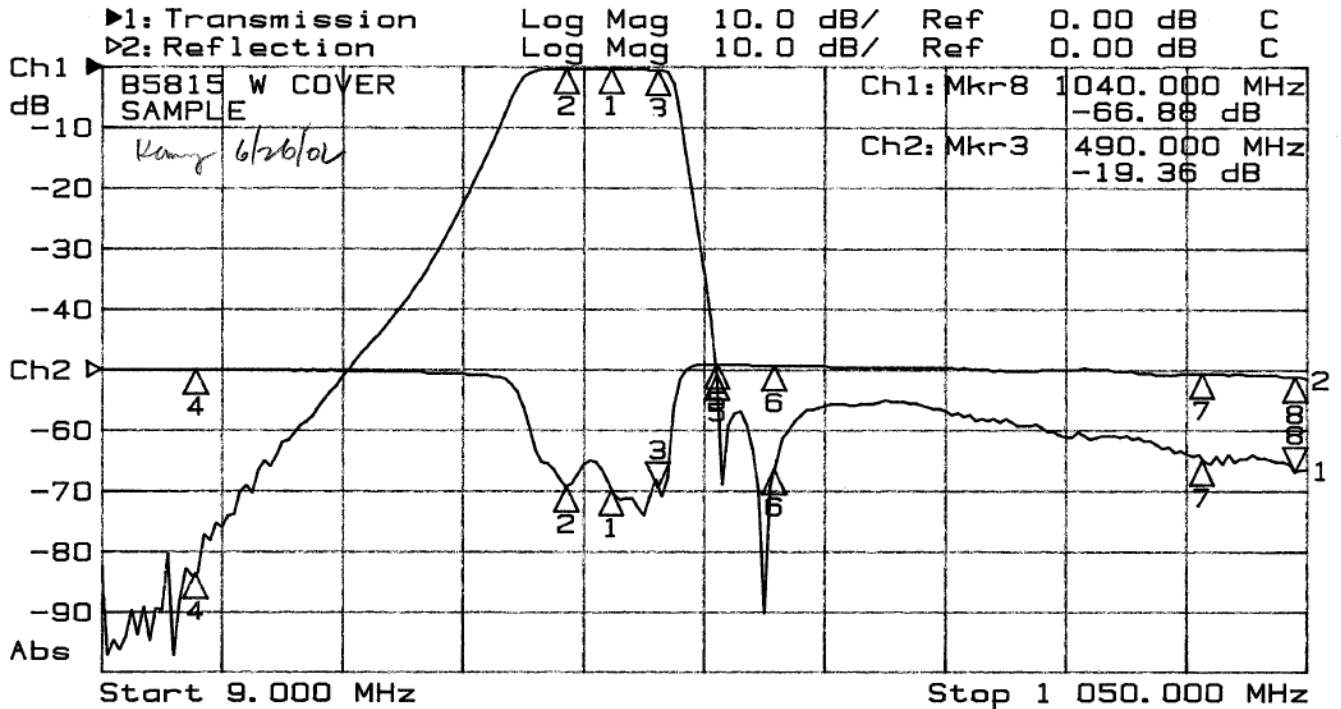
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## Response Plot:



1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1: 450.00	-0.33	1: 450.00	-20.11
2: 410.00	-0.27	2: 410.00	-19.40
3: 490.00	-0.62	3> 490.00	-19.38
4: 90.00	-83.69	4: 90.00	-0.05
5: 540.00	-50.98	5: 540.00	1.06
6: 590.00	-66.50	6: 590.00	0.62
7: 960.00	-64.85	7: 960.00	-0.71
8> 1040.00	-66.88	8: 1040.00	-1.30