



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

## 315 MHz LC Bandpass Filter

Part Number: AE315B5176



### Electrical Specifications

**Center Frequency:** 315 MHz  
**1dB-Bandwidth:** 305 MHz to 325 MHz  
**Insertion Loss:** <3dB @ 315 MHz  
**Return Loss:** >14dB @ 310 MHz to 320 MHz  
**Rejection:** >40dB @ 0-285 MHz  
**Rejection2:** >45dB @ 350 MHz to 1000 MHz  
**Impedance:** 50 Ohms

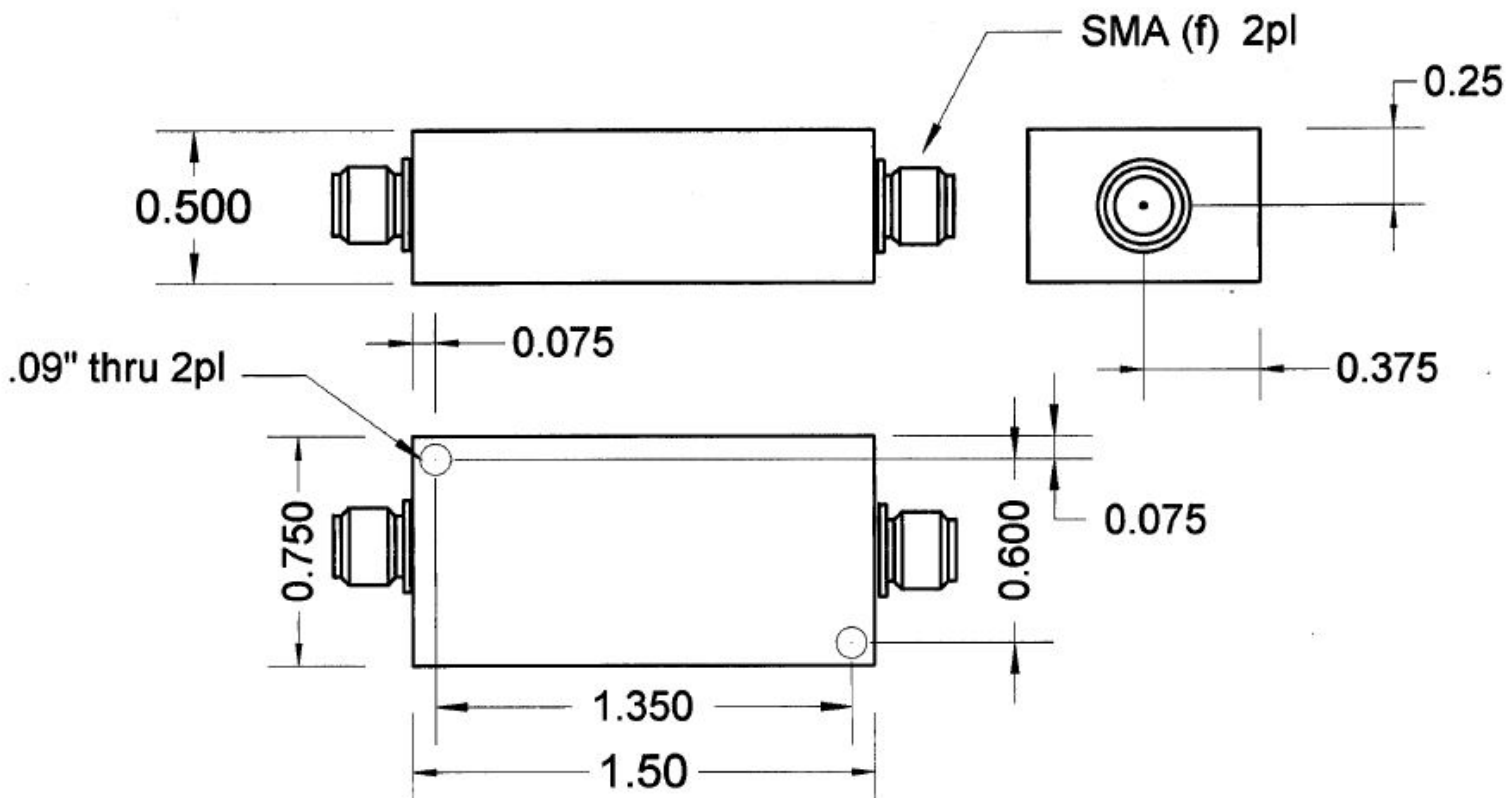
### Mechanical

**Mounting Method:** Through Holes  
**Connector Type:** SMA(F)  
**Dimensions:** 1.5" x 0.75" x 0.5" in.

### Environmental

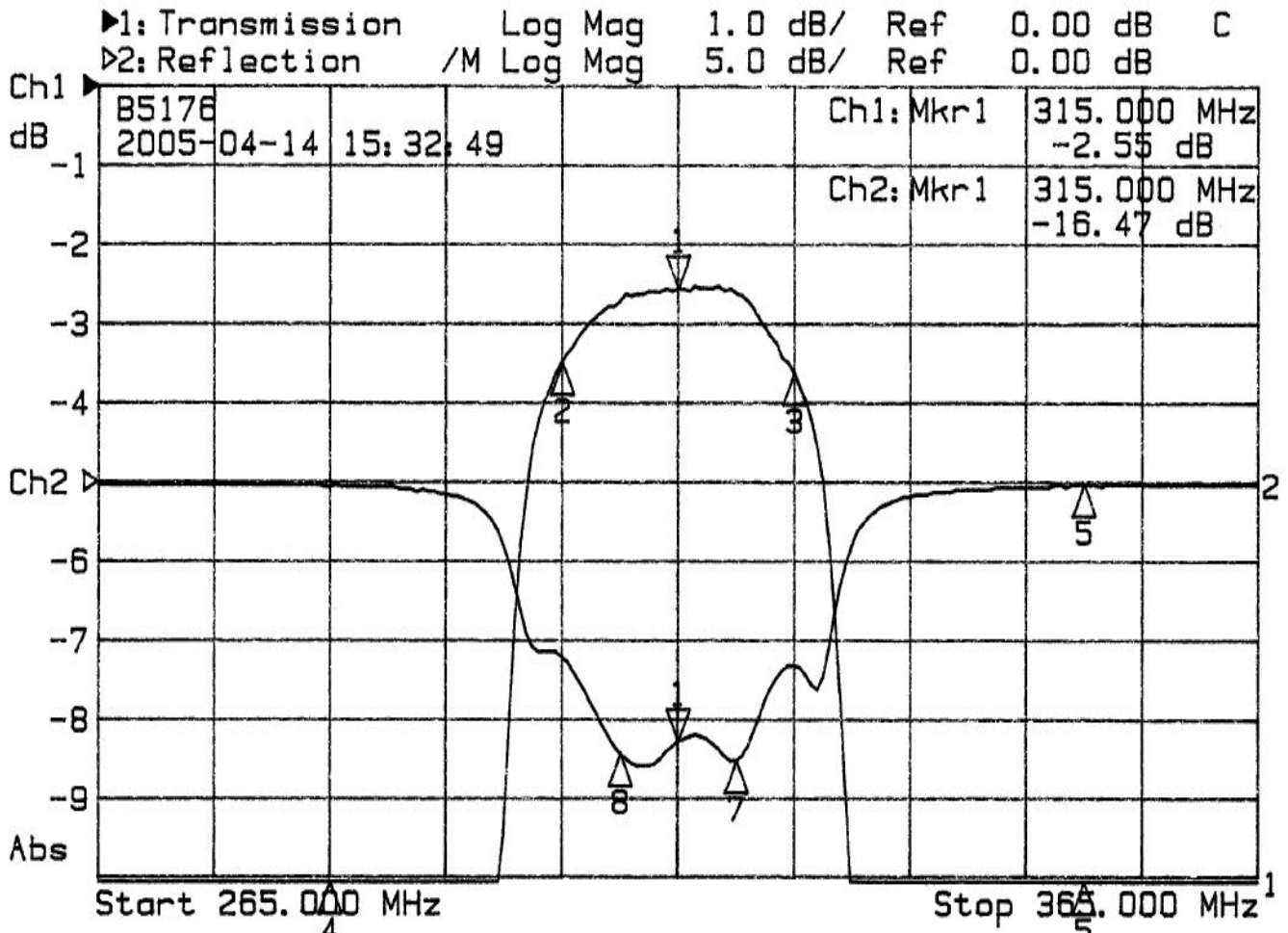
**Operating Temperature:** -25°C to +70°C  
**Storage Temperature:** -40°C to +90°C  
**Shock:** 10 G. 11ms  
**Vibration:** 10 G. 5 to 200Hz

### Outline Drawing:





**Response Plot:**



1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 315.00	-2.55	1> 315.00	-16.47
2: 305.00	-3.48		
3: 325.00	-3.63		
4: 285.00	-61.74		
5: 350.00	-51.37	5: 350.00	-0.20
		7: 320.00	-17.67
		8: 310.00	-17.17