



### Electrical Specifications

**Center Frequency:** 500 MHz  
**Bandwidth:** 50 MHz  
**Passband :** 475 MHz to 525 MHz  
**Insertion Loss:** <2.0dB @ 500 MHz  
**Return Loss:** >14dB @ 475 MHz to 525 MHz  
**Rejection:** >50dB @ 0-350 MHz  
**Rejection2:** >50dB @ 650 MHz to 2000 MHz  
**Impedance:** 50 Ohms

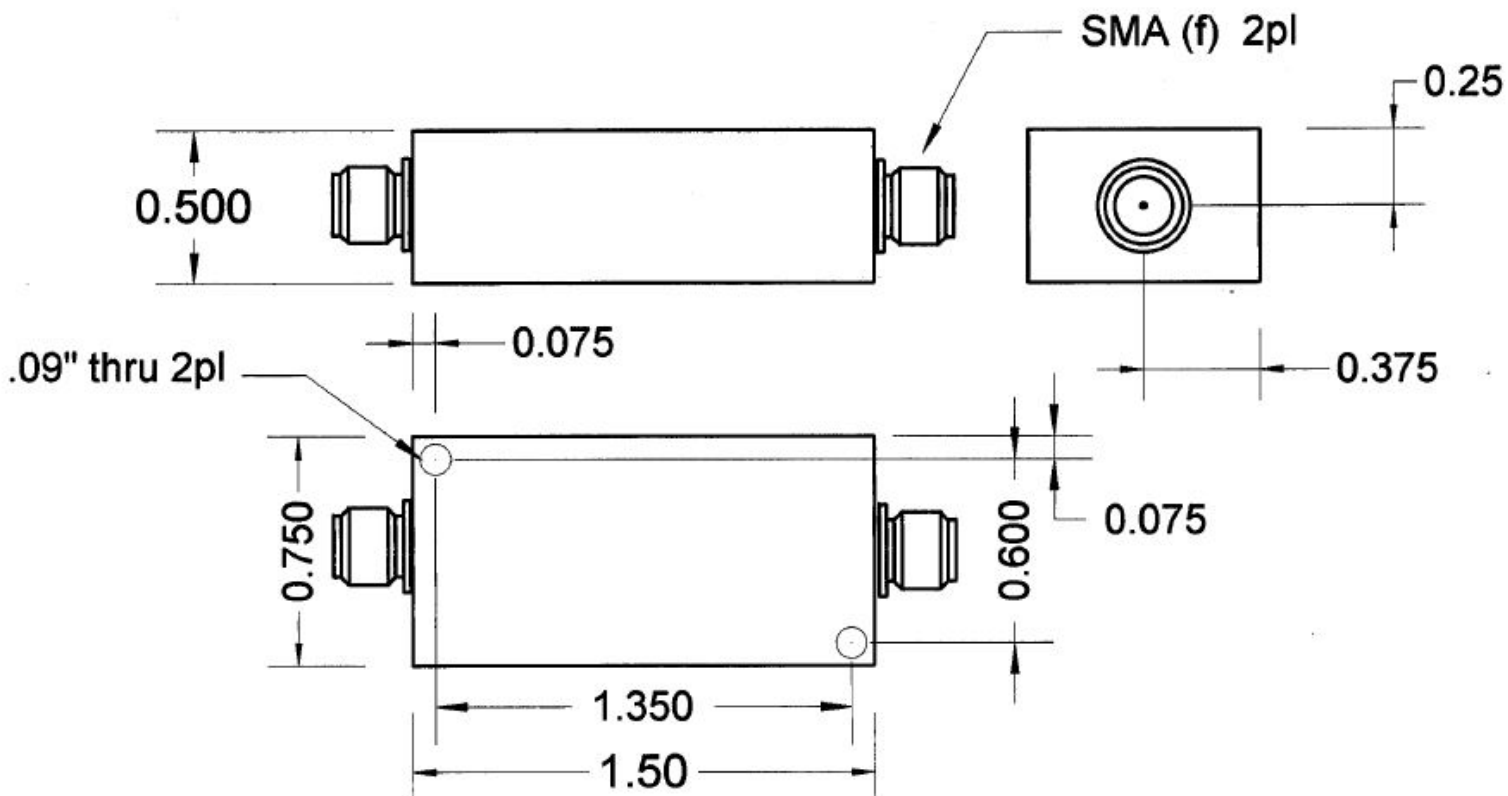
### Mechanical

**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:





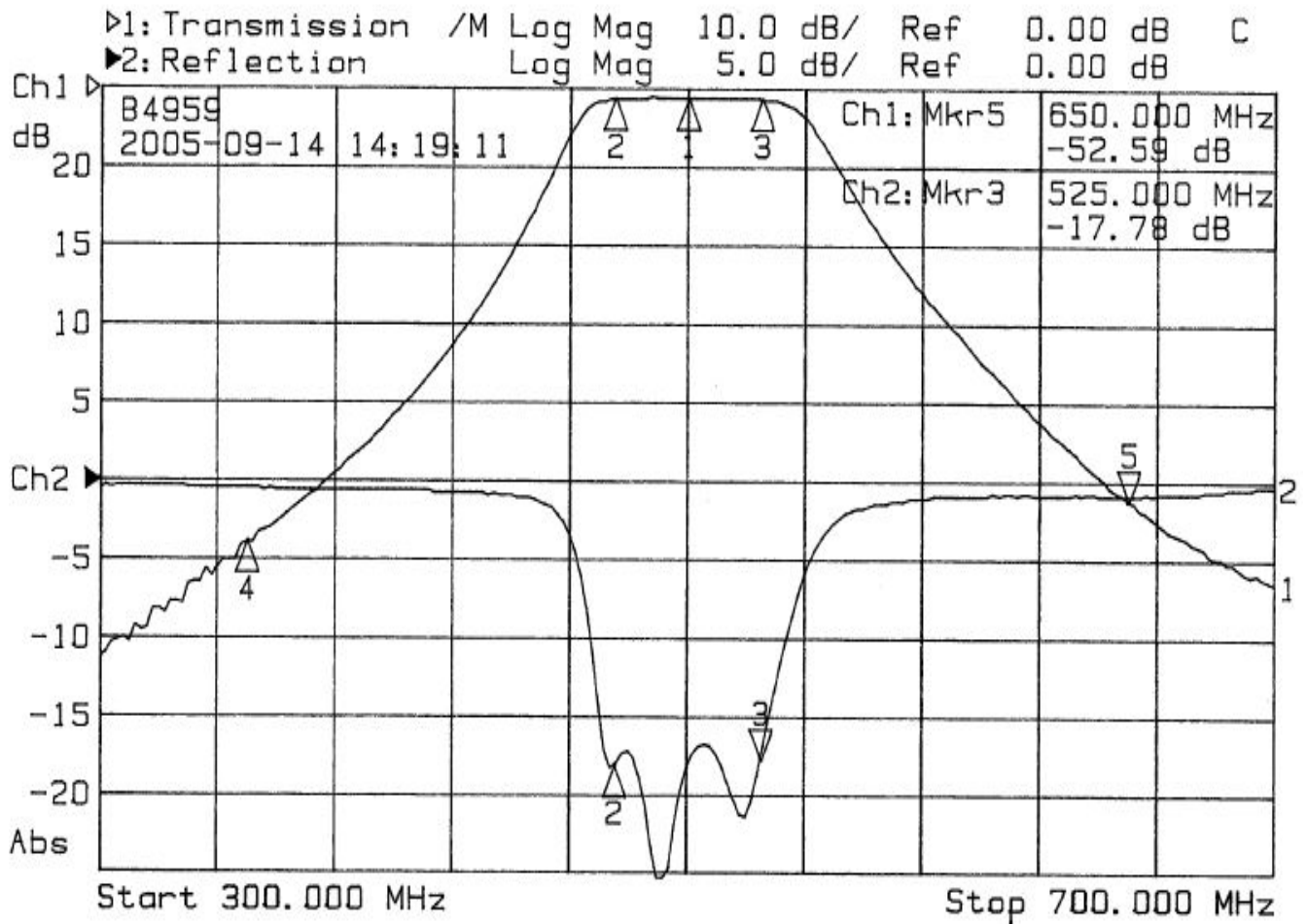
**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products

# 500 MHz LC Bandpass Filter

Part Number: AE500B4959



## Response Plot:



1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1: 500.00	-1.17		
2: 475.00	-1.31	2: 475.00	-18.10
3: 525.00	-1.33	3> 525.00	-17.78
4: 350.00	-57.92		
5> 650.00	-52.59		

