



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

## 25 MHz LC Bandpass Filter

Part Number: AE25B4943



### Electrical Specifications

**Center Frequency:** 25 MHz  
**Bandwidth:** 2.5 MHz  
**Passband :** 23.75 MHz to 26.25 MHz  
**Insertion Loss:** <2dB @ 23.75 MHz to 26.25 MHz  
**Return Loss:** >14dB @ 24 MHz to 26 MHz  
**Rejection:** >50dB @ 0-21.25 MHz  
**Rejection:** >50dB @ 28.75 MHz to 200 MHz  
**Impedance:** 50 Ohms

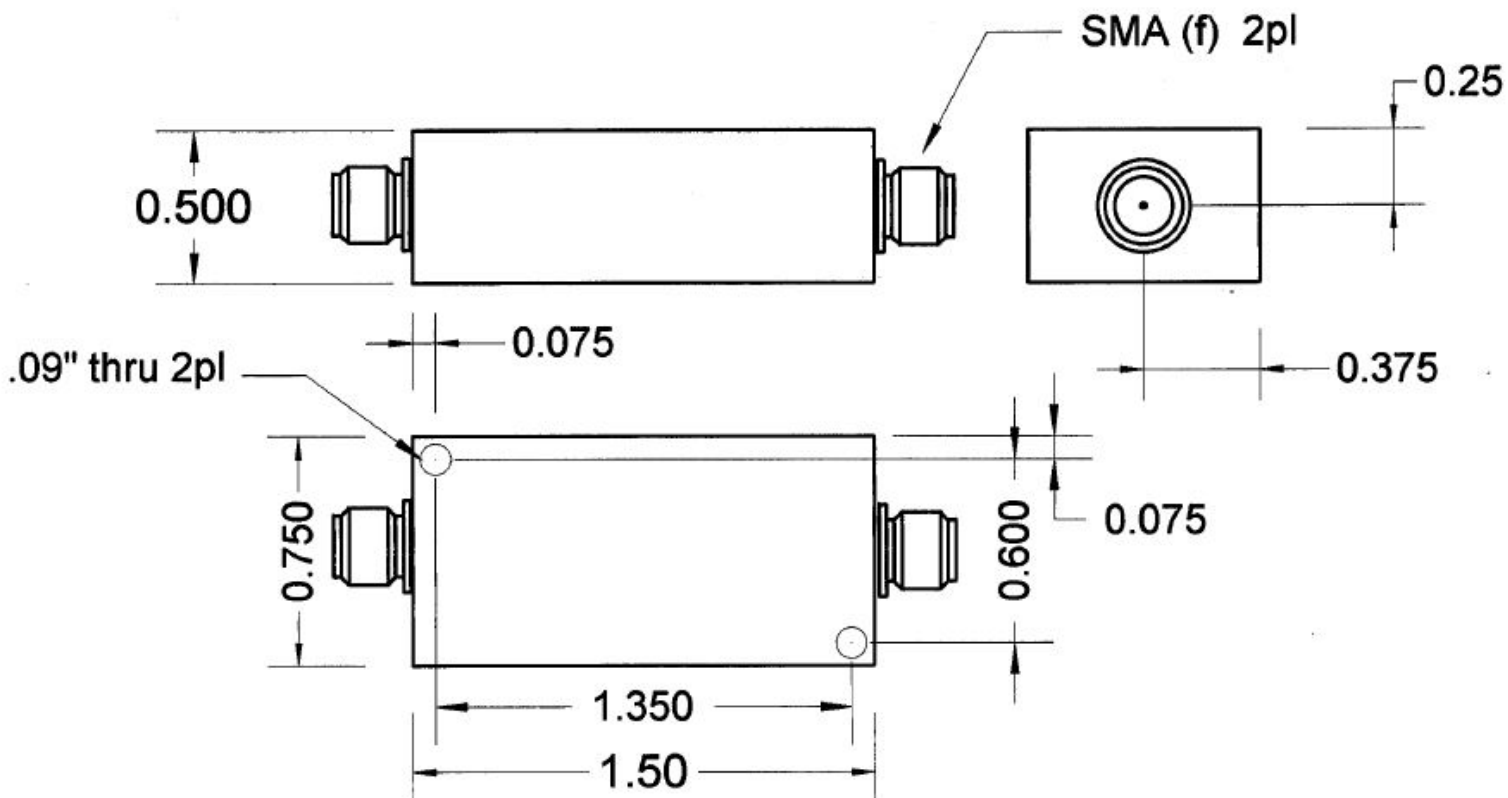
### Mechanical

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

### Environmental

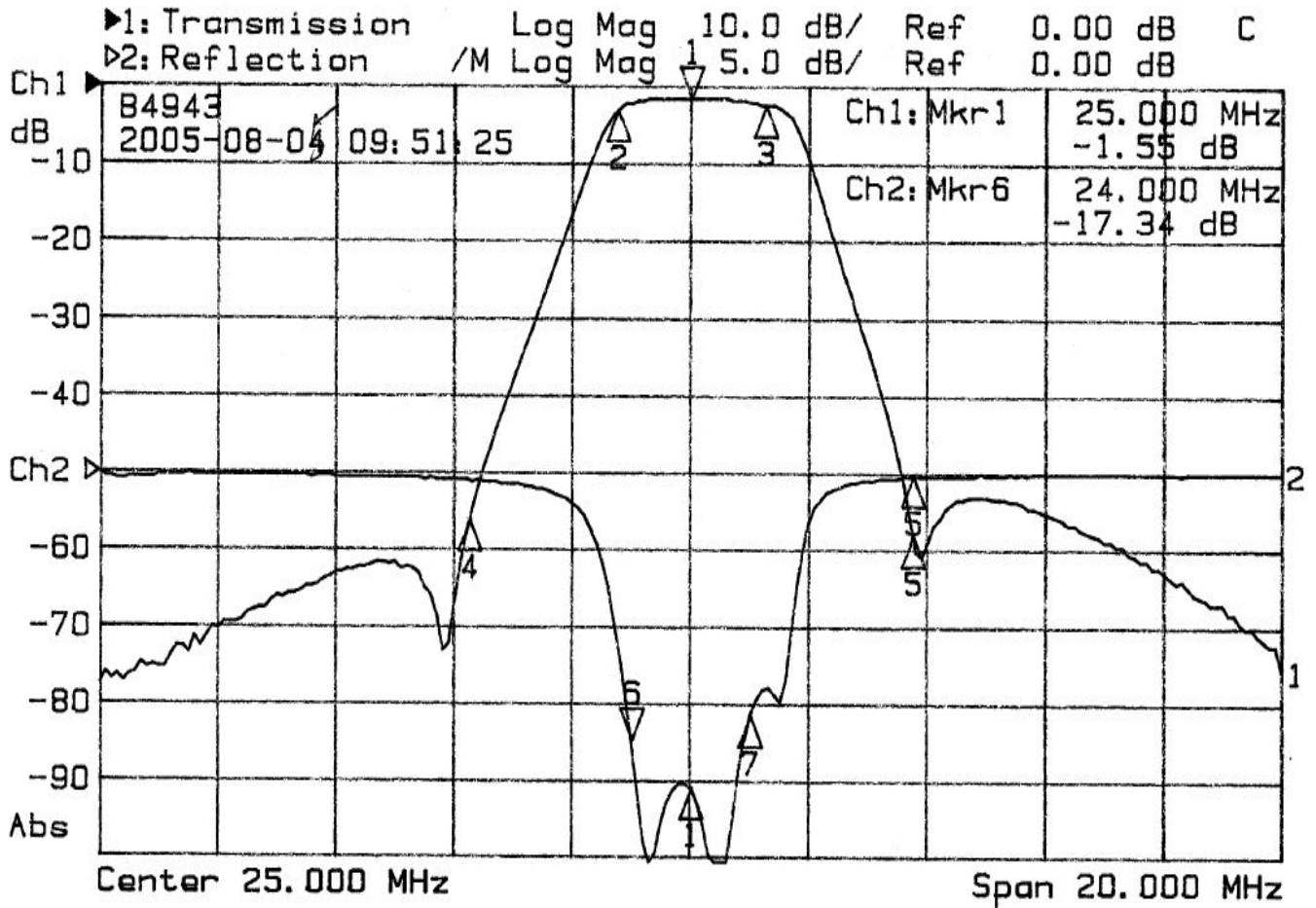
**Operating Temperature:** -25°C to +70°C  
**Storage Temperature:** -40°C to +90°C  
**Shock:** 10 G. 11ms  
**Vibration:** 10 G. 5 to 200Hz

### Outline Drawing:





**Response Plot:**



1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 25.00	-1.55	1: 25.00	-20.54
2: 23.75	-3.19		
3: 26.25	-2.39		
4: 21.25	-56.22		
5: 28.75	-58.17	5: 28.75	-0.20
		6> 24.00	-17.34
		7: 26.00	-15.76



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