



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

## 950 MHz LC Bandpass Filter

Part Number: **AE950B5193**



### Electrical Specifications

**Center Frequency:** 950 MHz  
**Passband:** 900 MHz to 1000 MHz  
**Insertion Loss:** <3dB  
**Rejection:** >40dB @ 825 MHz to 1075 MHz  
**Impedance:** 50 Ohms

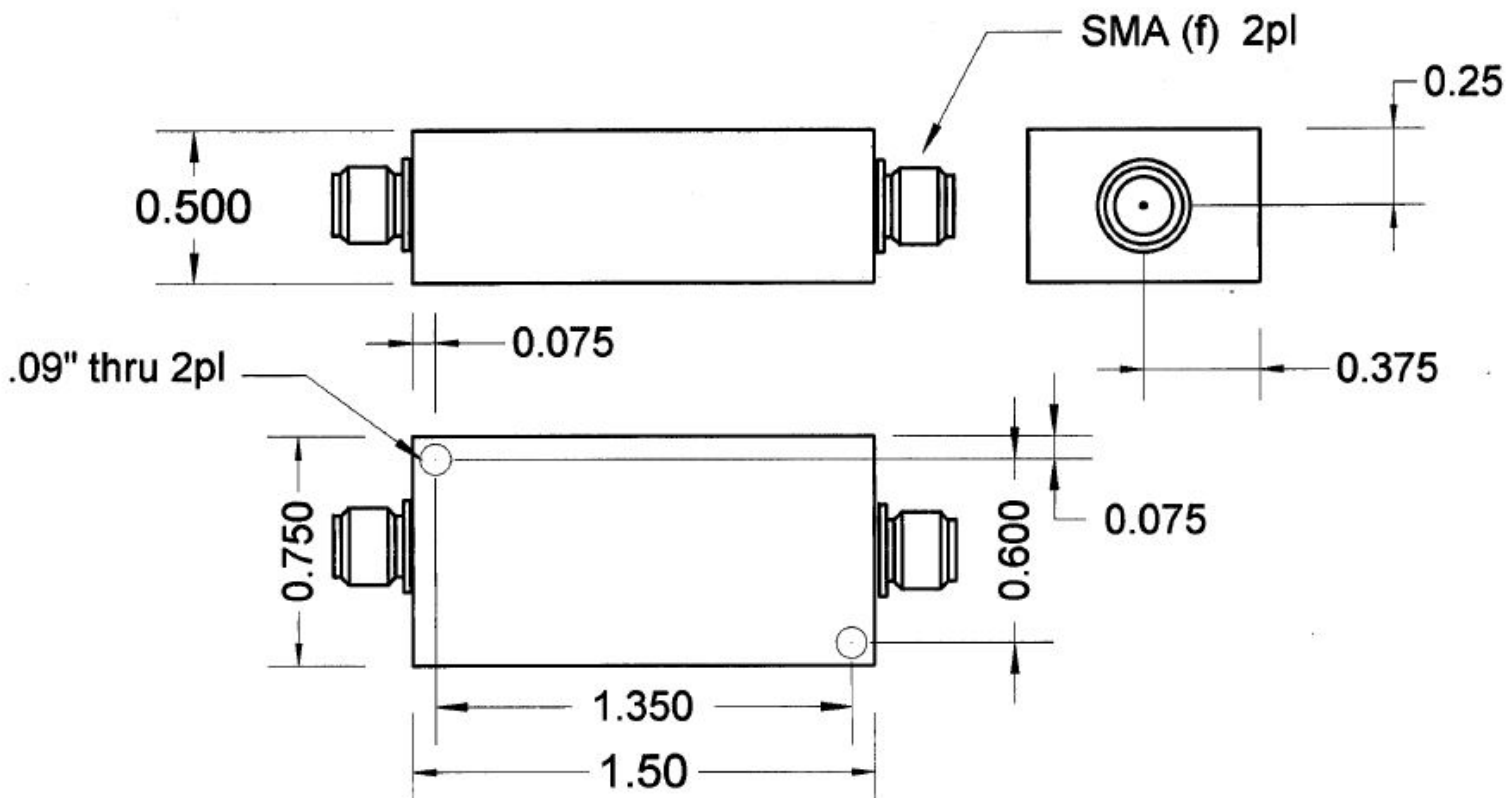
### Mechanical

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

### Environmental

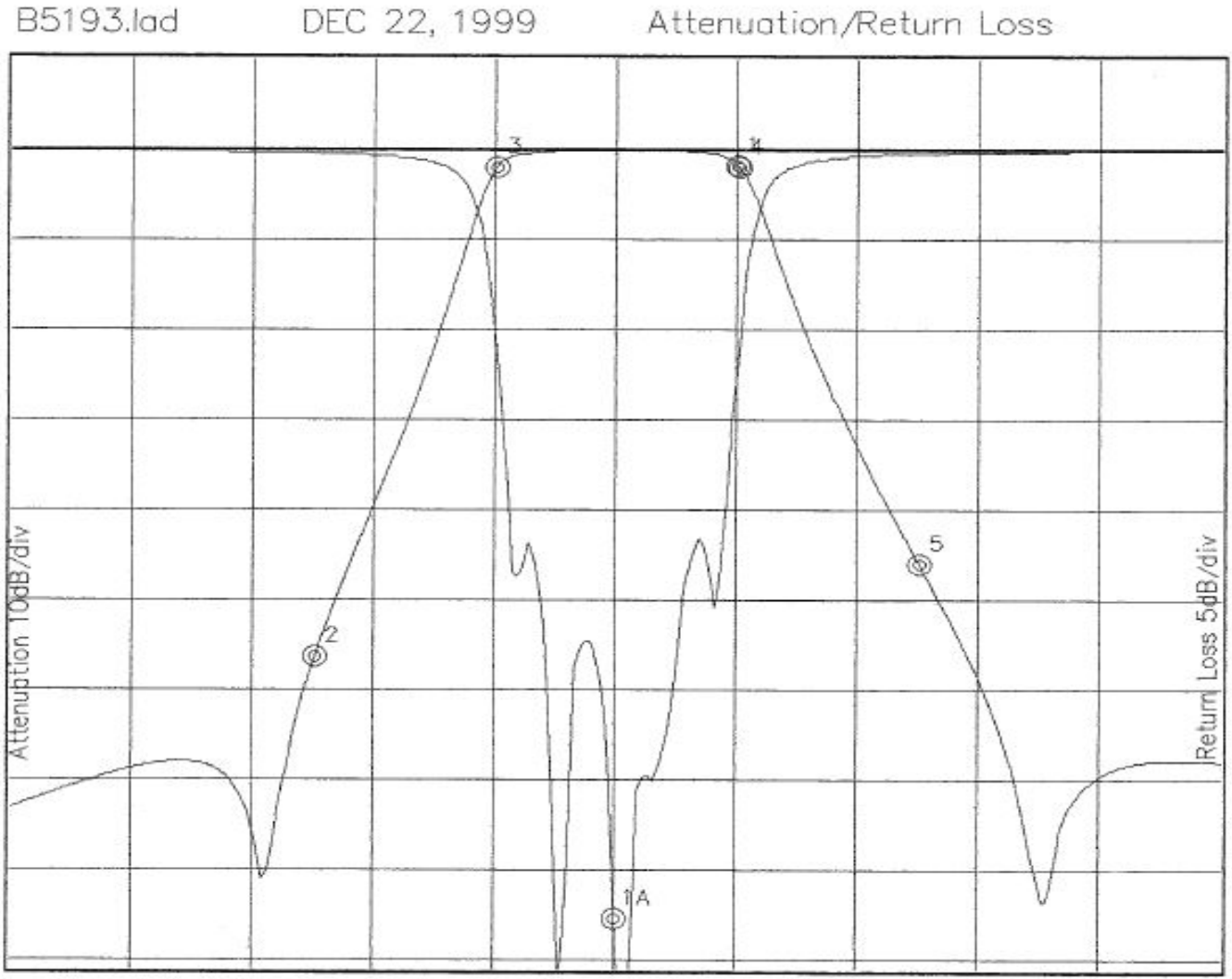
**Operating Temperature:** -25°C to +70°C  
**Storage Temperature:** -40°C to +90°C  
**Shock:** 10 G. 11ms  
**Vibration:** 10 G. 5 to 200Hz

### Outline Drawing:





### Response Plot:



Attenuation Start: 700.0MHz    Stop: 1.20GHz  
Offset -1.3043dB

Return Loss Start: 700.0MHz    Stop: 1.20GHz

- Marker 1 Freq 999.67MHz Atten -1.693dB
- Marker 2 Freq 825.20MHz Atten -56.086dB
- Marker 3 Freq 900.32MHz Atten -1.862dB
- Marker 4 Freq 1.0GHz Atten -1.946dB
- Marker 5 Freq 1.076GHz Atten -45.905dB

Marker 1A Freq 949.59MHz Ret Loss -42.489dB