



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

## 950 MHz LC Bandpass Filter

Part Number: AE950B5190



### Electrical Specifications

**Center Frequency:** 950 MHz  
**Passband:** 925 MHz to 975 MHz  
**Insertion Loss:** <3dB  
**Rejection:** >40dB @ 887 MHz to 1012 MHz  
**Impedance:** 50 Ohms

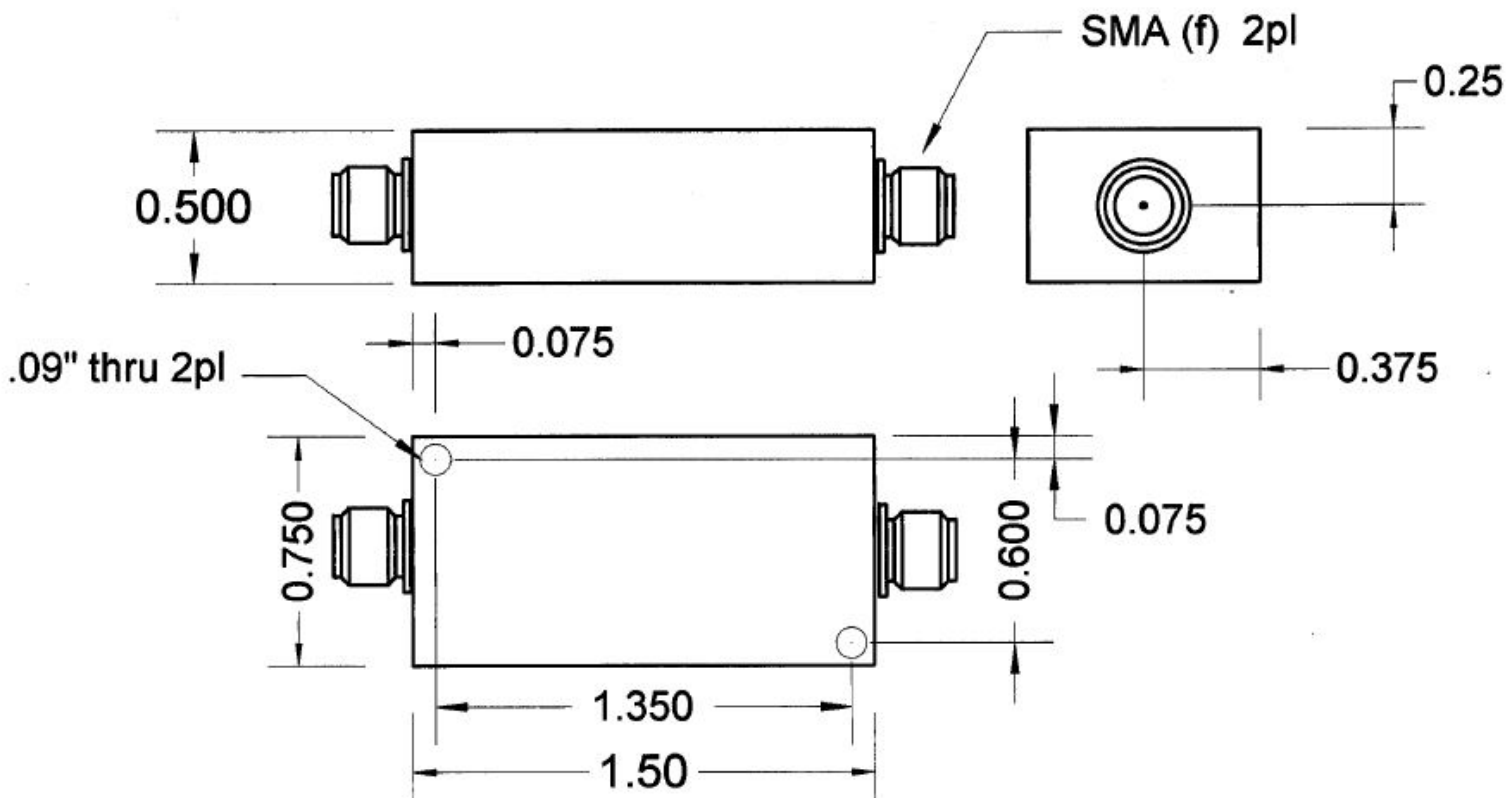
### Mechanical

**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

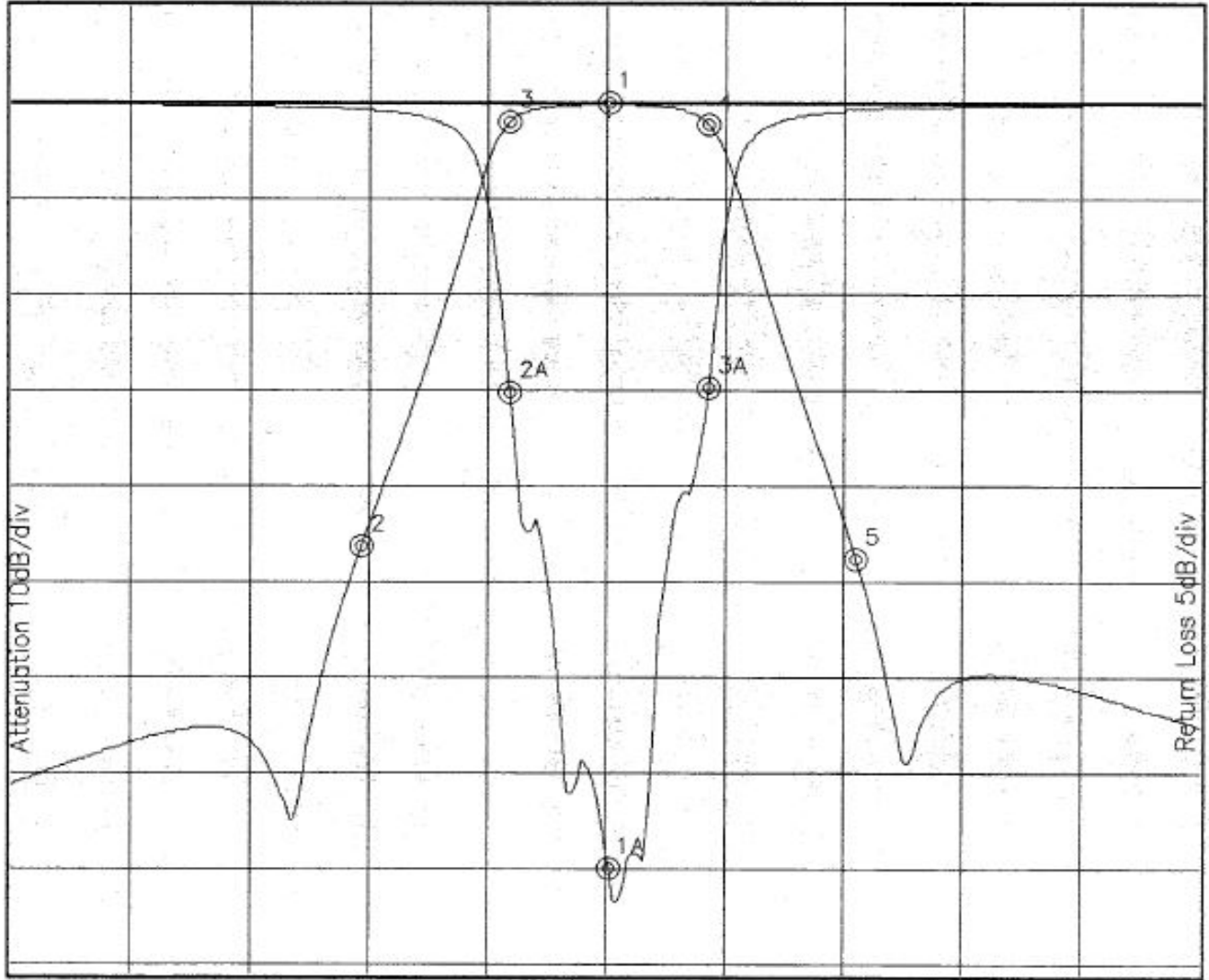
### Outline Drawing:





**Response Plot:**

B5190.lad      DEC 20, 1999      Attenuation/Return Loss



Attenuation Start: 800.0MHz    Stop: 1.10GHz

Return Loss Start: 800.0MHz    Stop: 1.10GHz

Offset -2.1739dB

Marker 1 Freq 950.24MHz Atten -0.047dB  
 Marker 2 Freq 887.72MHz Atten -46.098dB  
 Marker 3 Freq 925.04MHz Atten -1.863dB  
 Marker 4 Freq 975.44MHz Atten -2.214dB  
 Marker 5 Freq 1.013GHz Atten -47.320dB

Marker 1A Freq 950.24MHz Ret Loss -39.738dB  
 Marker 2A Freq 925.04MHz Ret Loss -15.008dB  
 Marker 3A Freq 975.44MHz Ret Loss -14.748dB