



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

## 70 MHz LC Bandpass Filter

**Part Number: AE70B5146**



### Electrical Specifications

**Center Frequency:** 70 MHz  
**Insertion Loss:** <6dB @ 70 MHz  
**VSWR:** <1.5:1 @ 70 MHz  
**Rejection:** >60dB @ 0-65 MHz  
**Rejection2:** >65dB @ 85 MHz to 2000 MHz  
**Impedance:** 50 Ohms  
**Power Handling:** 1 Watt

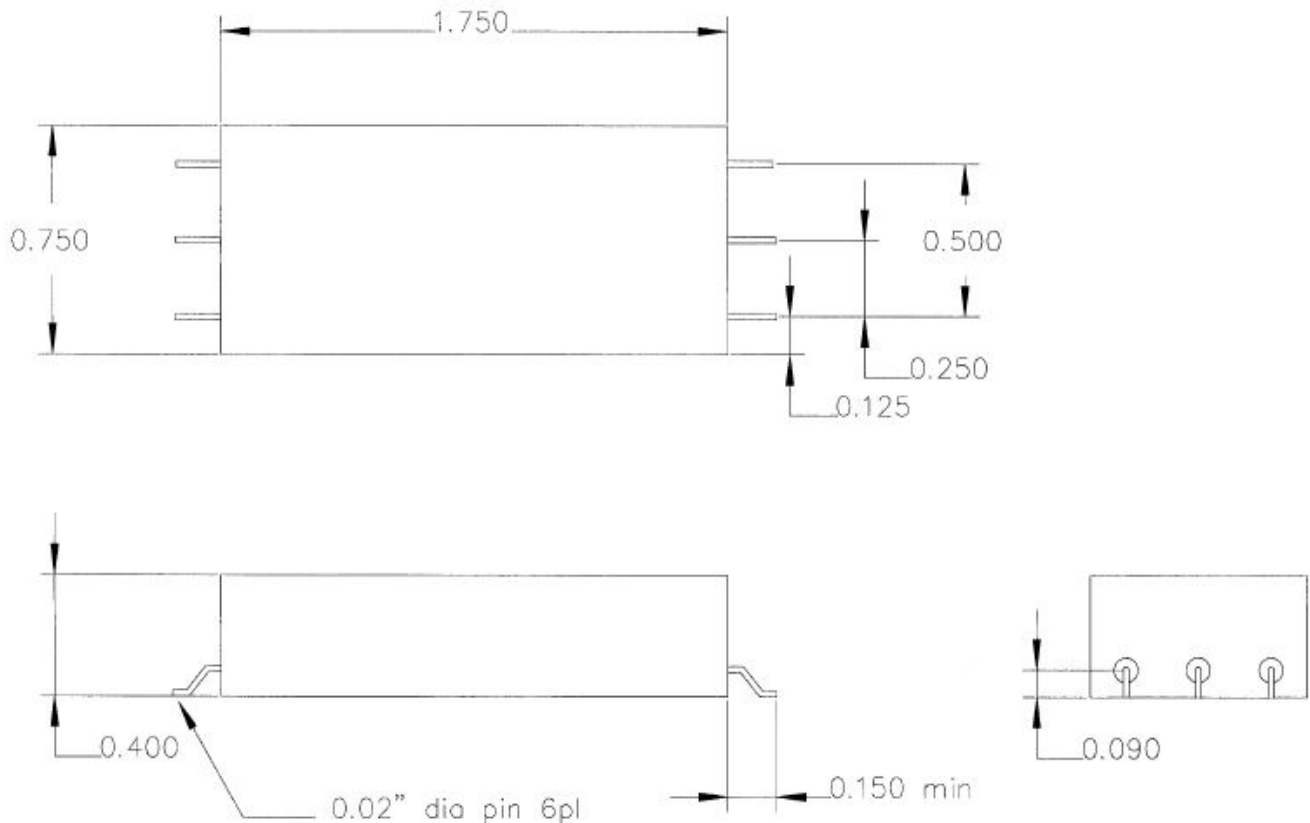
### Mechanical

**Connector Type:** Surface-Mount  
**Dimensions:** 1.75" x 0.75" x 0.4" 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:



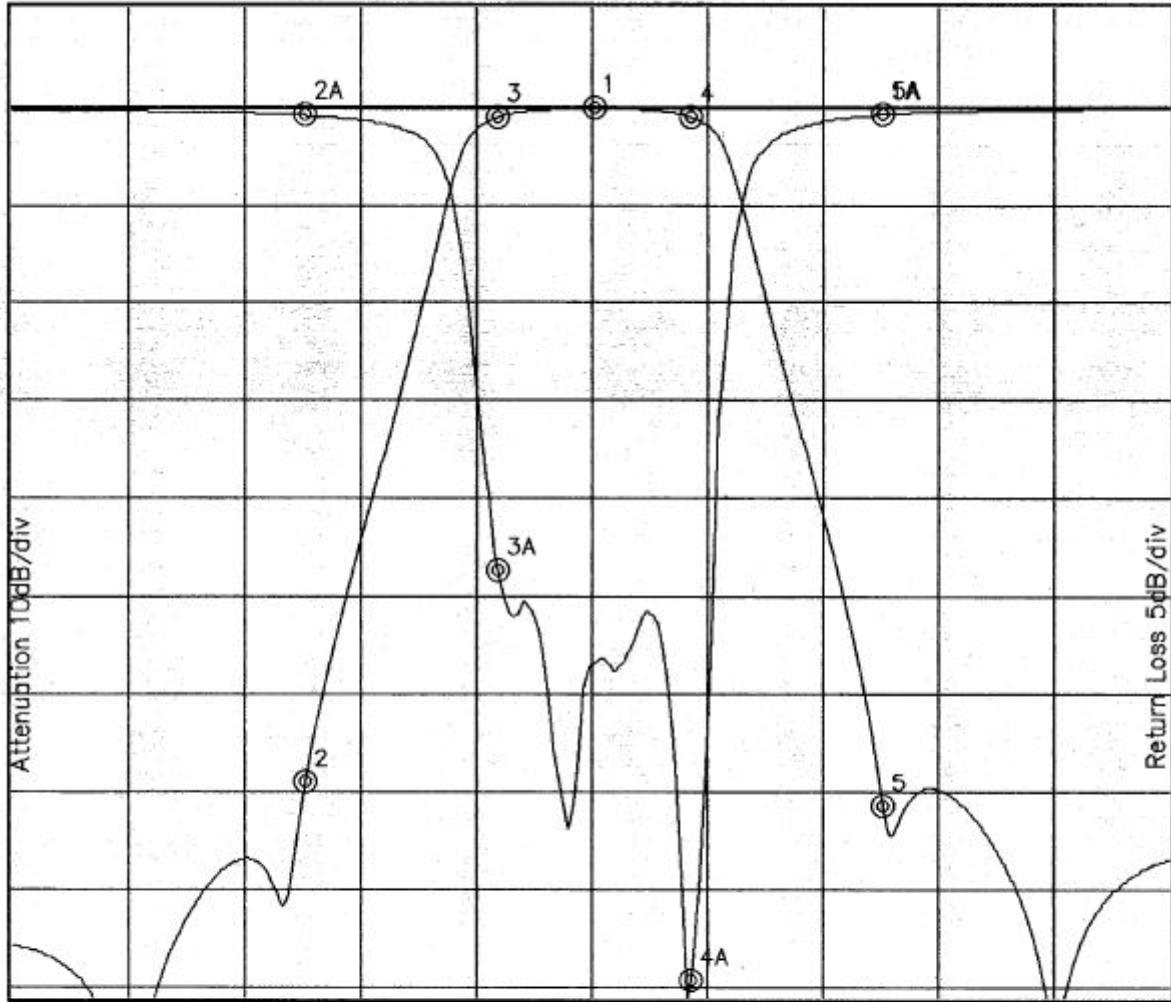


**Response Plot:**

B5146B.lad

JUN 18, 1999

Attenuation/Return Loss



Attenuation Start: 40.0MHz Stop: 100.0MHz

Return Loss Start: 40.0MHz Stop: 100.0MHz

Offset -2.3913dB

Marker 1 Freq 70.048MHz Atten 0.037dB  
 Marker 2 Freq 55.024MHz Atten -68.801dB  
 Marker 3 Freq 65.008MHz Atten -0.929dB  
 Marker 4 Freq 75.089MHz Atten -0.932dB  
 Marker 5 Freq 85.073MHz Atten -71.024dB

Marker 1A Freq 85.073MHz Ret Loss -0.347dB  
 Marker 2A Freq 55.024MHz Ret Loss -0.376dB  
 Marker 3A Freq 65.008MHz Ret Loss -23.557dB  
 Marker 4A Freq 75.089MHz Ret Loss -44.434dB  
 Marker 5A Freq 85.073MHz Ret Loss -0.347dB