



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

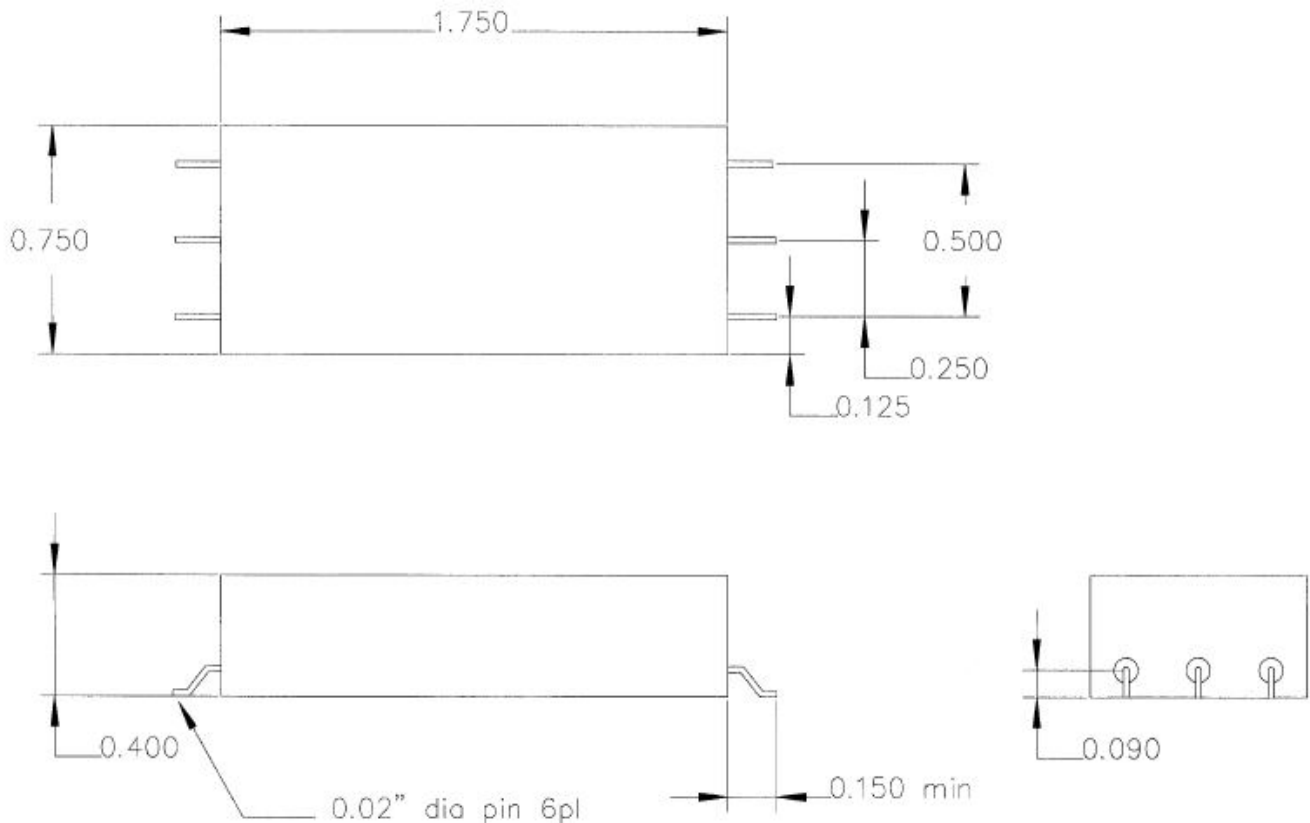
Mechanical

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:



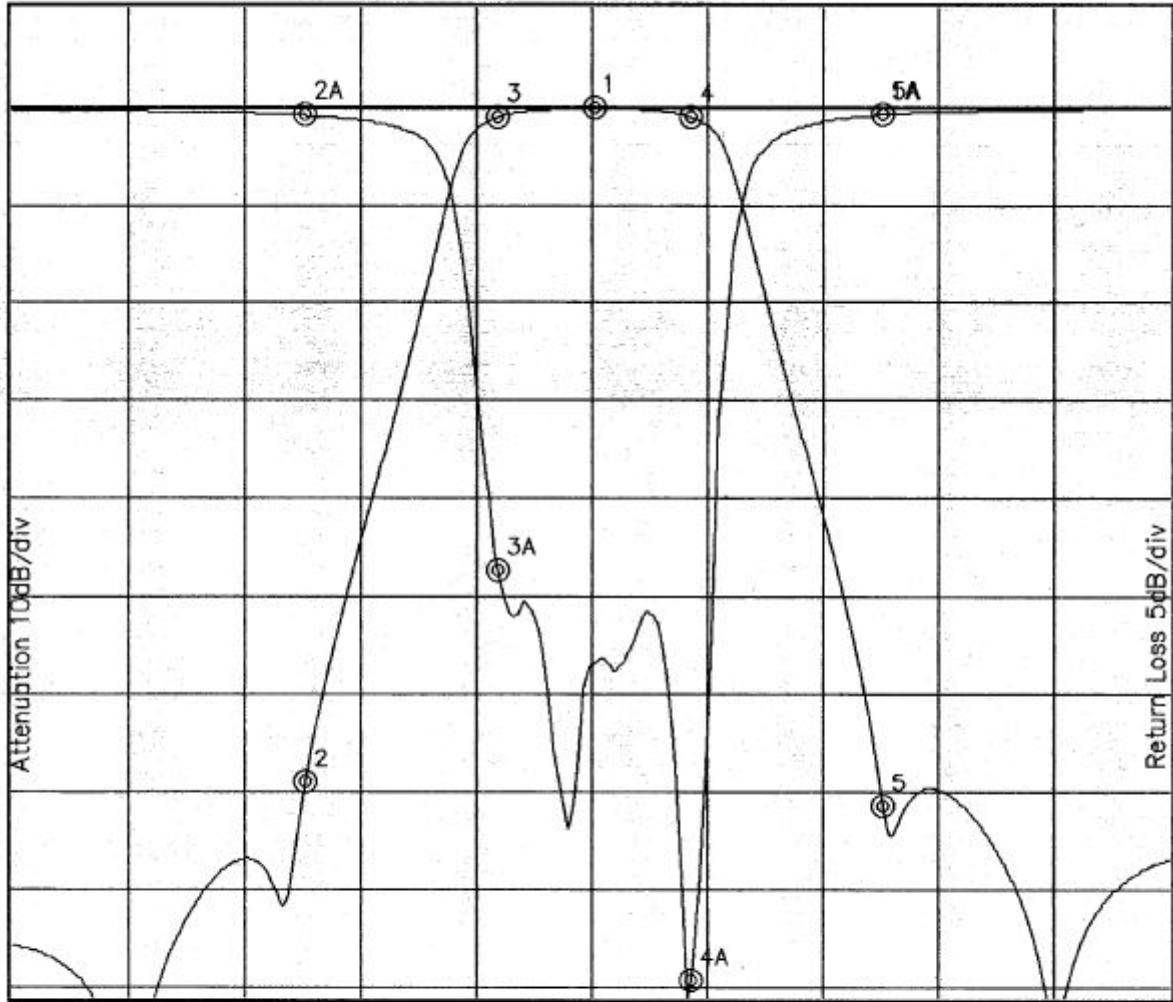


Response Plot:

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