



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

70 MHz LC Band Pass Filter

Part Number: AE70B5476



Electrical Specifications

Center Frequency: 70 MHz
3 dB Bandwidth: 30 MHz Min.
Insertion Loss: 3.0 dB Max.
Return Loss: 14.0 dB Min.
Rejection1: 65 dB Min @ 28 MHz
Rejection2: 65 dB Min @ 112 MHz

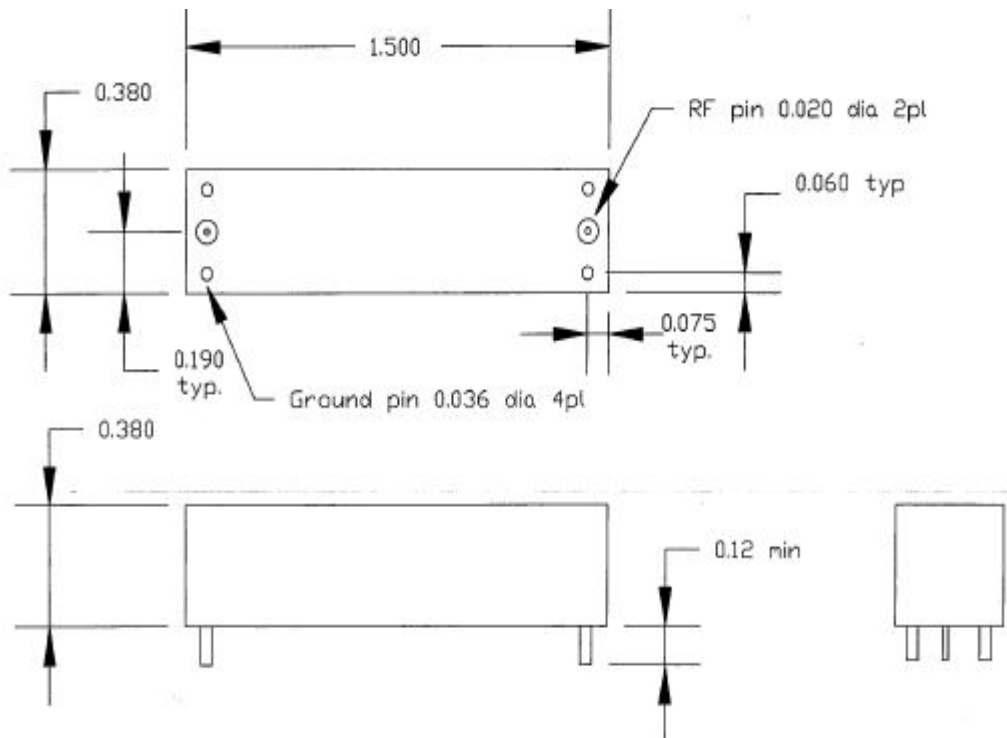
Mechanical

Connector Type: PC-Mount
Dimensions: 1.5" X 0.38" x 0.38".

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:



Tolerance: +/-0.01 inches [+/-0.3mm]

Angles: +/-1 Deg.

*Tolerance as shown unless otherwise specified in the datasheet electrical specification tables above.

*When max dimensions are called out the above tolerances do not apply as long as it is under the max call out.

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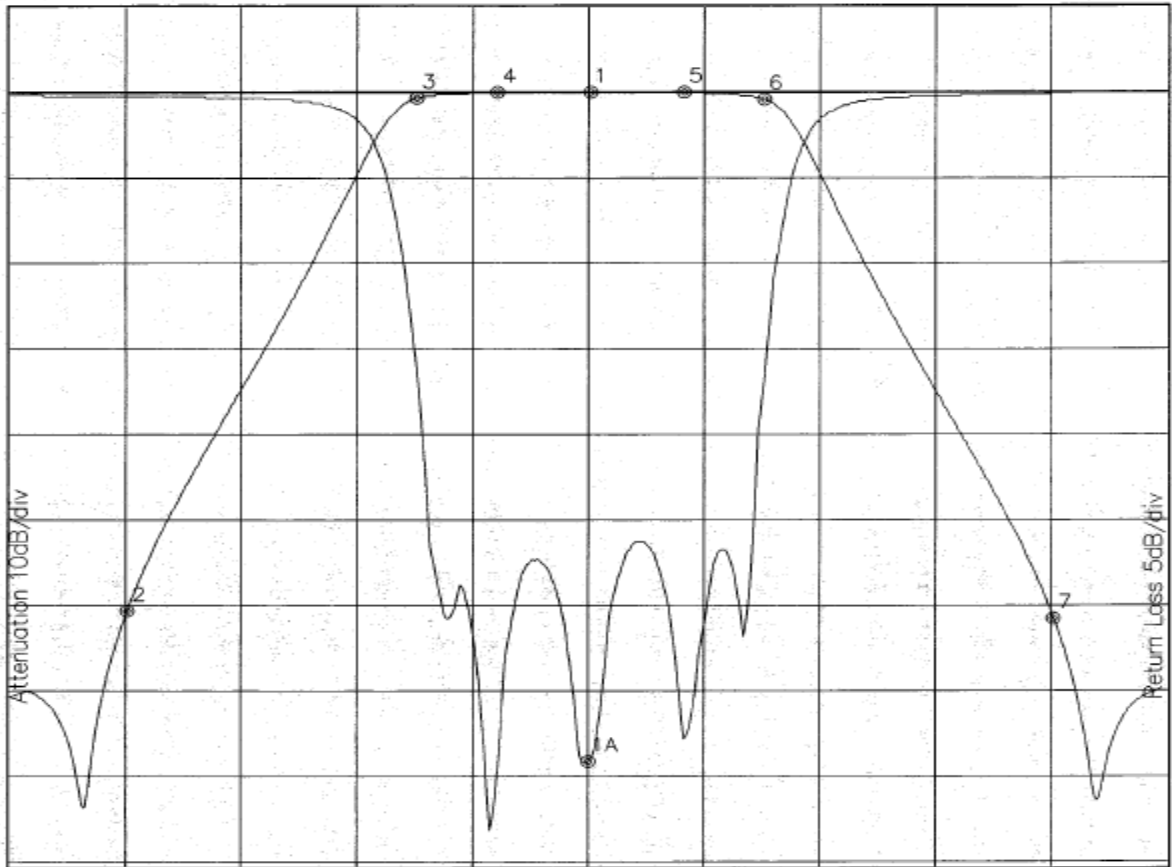


Simulation Plot:

B5476.lad

APR 11, 2000

Attenuation/Return Loss



Attenuation Start: 20.0MHz Stop: 120.0MHz

Return Loss Start: 20.0MHz Stop: 120.0MHz

Offset -0.8695dB

Marker 1A Freq 69.919MHz Ret Loss -39.176dB

- Marker 1 Freq 70.081MHz Atten 0.072dB
- Marker 2 Freq 30.016MHz Atten -60.556dB
- Marker 3 Freq 55.057MHz Atten -0.684dB
- Marker 4 Freq 62.003MHz Atten -0.015dB
- Marker 5 Freq 78.158MHz Atten -0.044dB
- Marker 6 Freq 85.105MHz Atten -0.854dB
- Marker 7 Freq 110.14MHz Atten -61.432dB

Note: This is a simulated response plot. Actual performance might differ.