



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

60 MHz LC Bandpass Filter

Part Number: AE60B5304



Electrical Specifications

Center Frequency: 60 MHz

3dB Bandwidth: >3 MHz

Insertion Loss: <1.5dB

Ripple: <0.1dB

Rejection: ≥20dB @ 55 MHz & 65 MHz

Rejection2: ≥40dB @ 50 MHz & 70 MHz

Rejection3: ≥60dB @ 75 MHz to 350 MHz

Impedance: 50 Ohms

Mechanical

Mounting Method: Threaded Mounting Holes

Connector Type: SMA(F)

Dimensions: 2.380" x 1.0" x 1.0" in.

Environmental

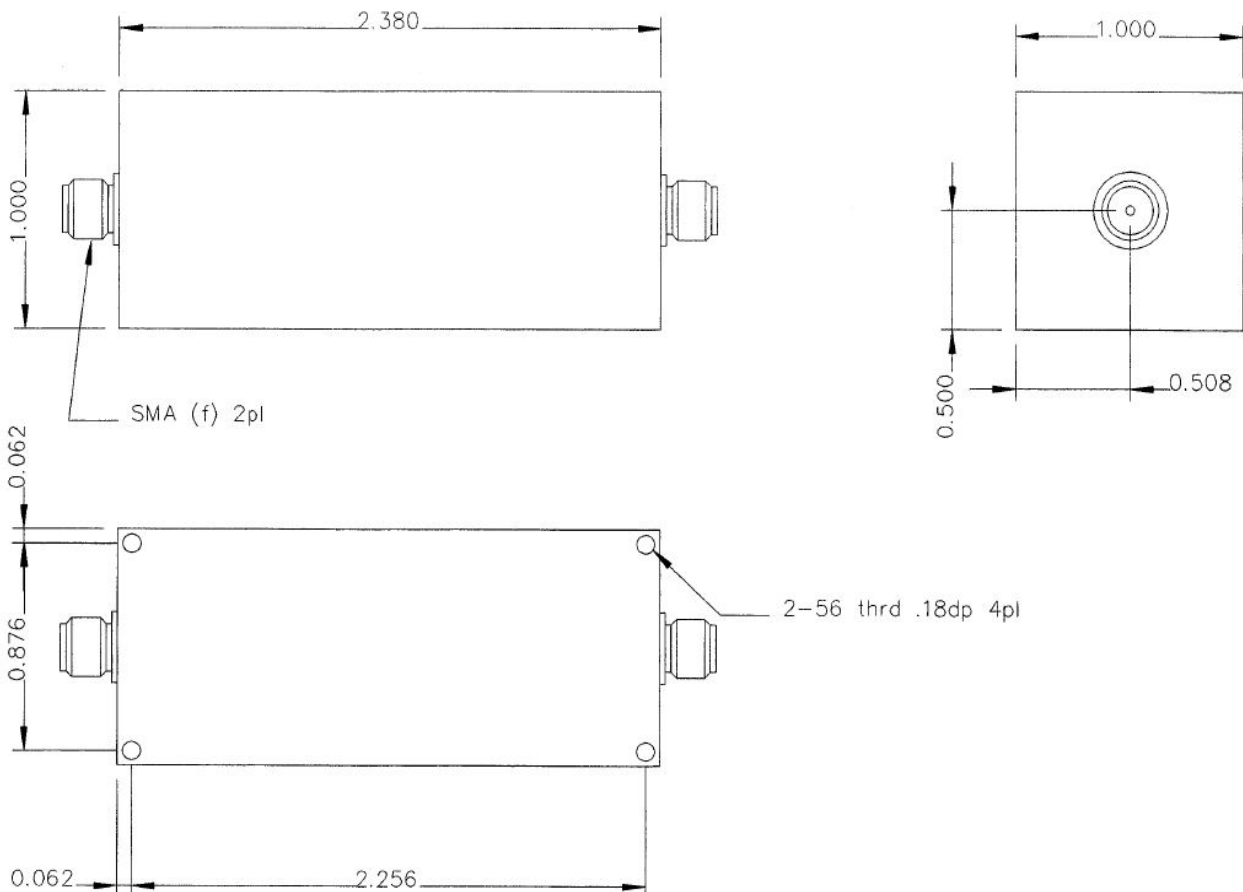
Operating Temperature: -25°C to +70°C

Storage Temperature: -40°C to +90°C

Shock: 10 G. 11ms

Vibration: 10 G. 5 to 200Hz

Outline Drawing:



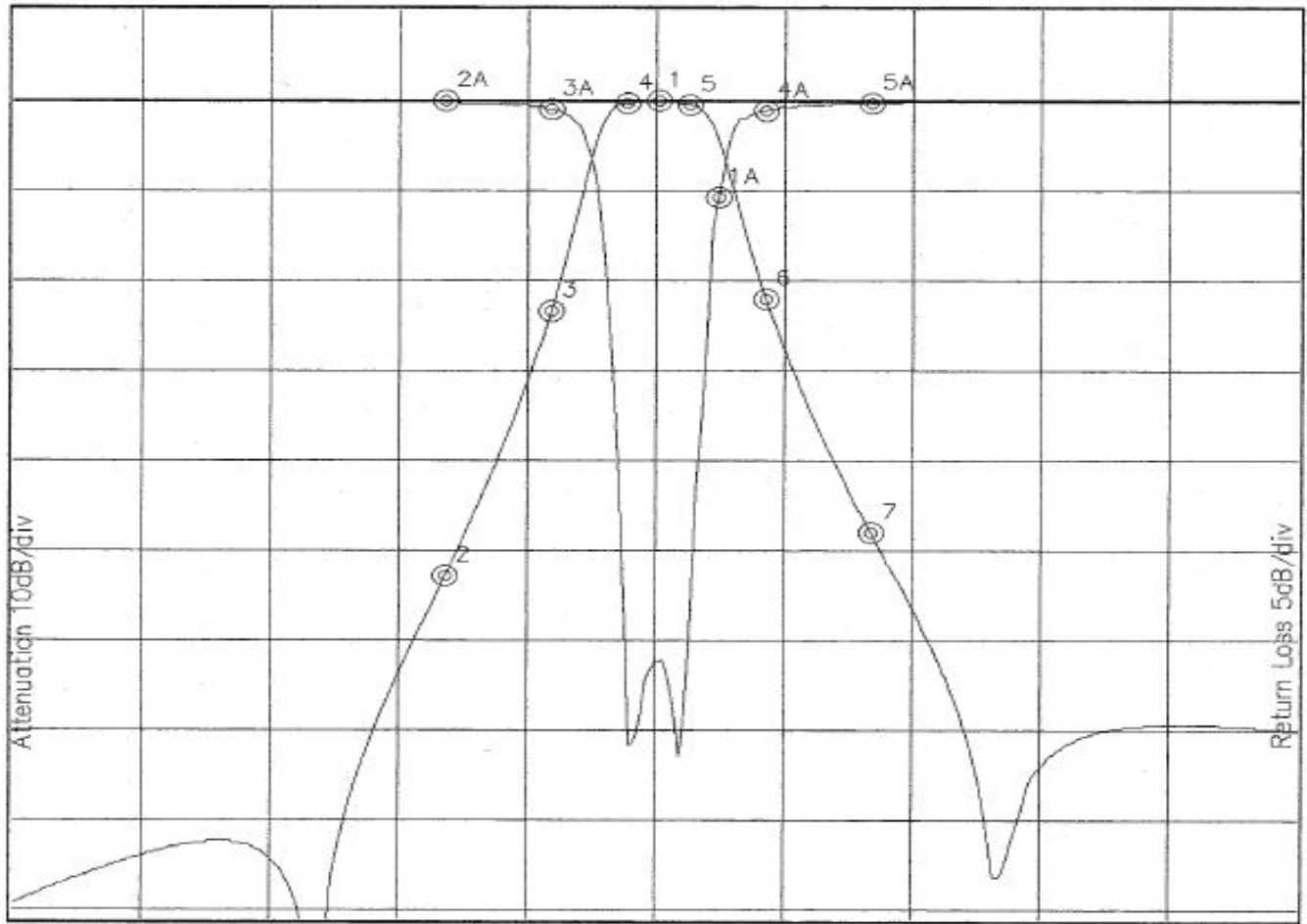


Response Plot:

B5304.lad

NOV 8, 1999

Attenuation/Return Loss



Attenuation Start: 30.0MHz Stop: 90.0MHz
Offset -1.5217dB

Return Loss Start: 30.0MHz Stop: 90.0MHz

Marker 1 Freq 60.048MHz Atten -0.032dB
 Marker 2 Freq 50.065MHz Atten -52.670dB
 Marker 3 Freq 55.008MHz Atten -23.293dB
 Marker 4 Freq 58.595MHz Atten -0.156dB
 Marker 5 Freq 61.502MHz Atten -0.341dB
 Marker 6 Freq 65.089MHz Atten -22.041dB
 Marker 7 Freq 70.032MHz Atten -47.887dB

Marker 1A Freq 62.859MHz Ret Loss -5.276dB
 Marker 2A Freq 50.065MHz Ret Loss 0.000dB
 Marker 3A Freq 55.008MHz Ret Loss -0.453dB
 Marker 4A Freq 65.089MHz Ret Loss -0.494dB
 Marker 5A Freq 70.032MHz Ret Loss -0.107dB