



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

55 MHz LC Bandpass Filter

Part Number: AE55B5306



Electrical Specifications

Center Frequency: 55 MHz

3dB Bandwidth: >3 MHz

Insertion Loss: <6.0dB

Return Loss: >14.0dB

Ripple: <0.1dB

Rejection: ≥45dB @ 50 MHz & 60 MHz

Rejection2: ≥60dB @ 45 MHz

Rejection3: ≥60dB @ 65 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

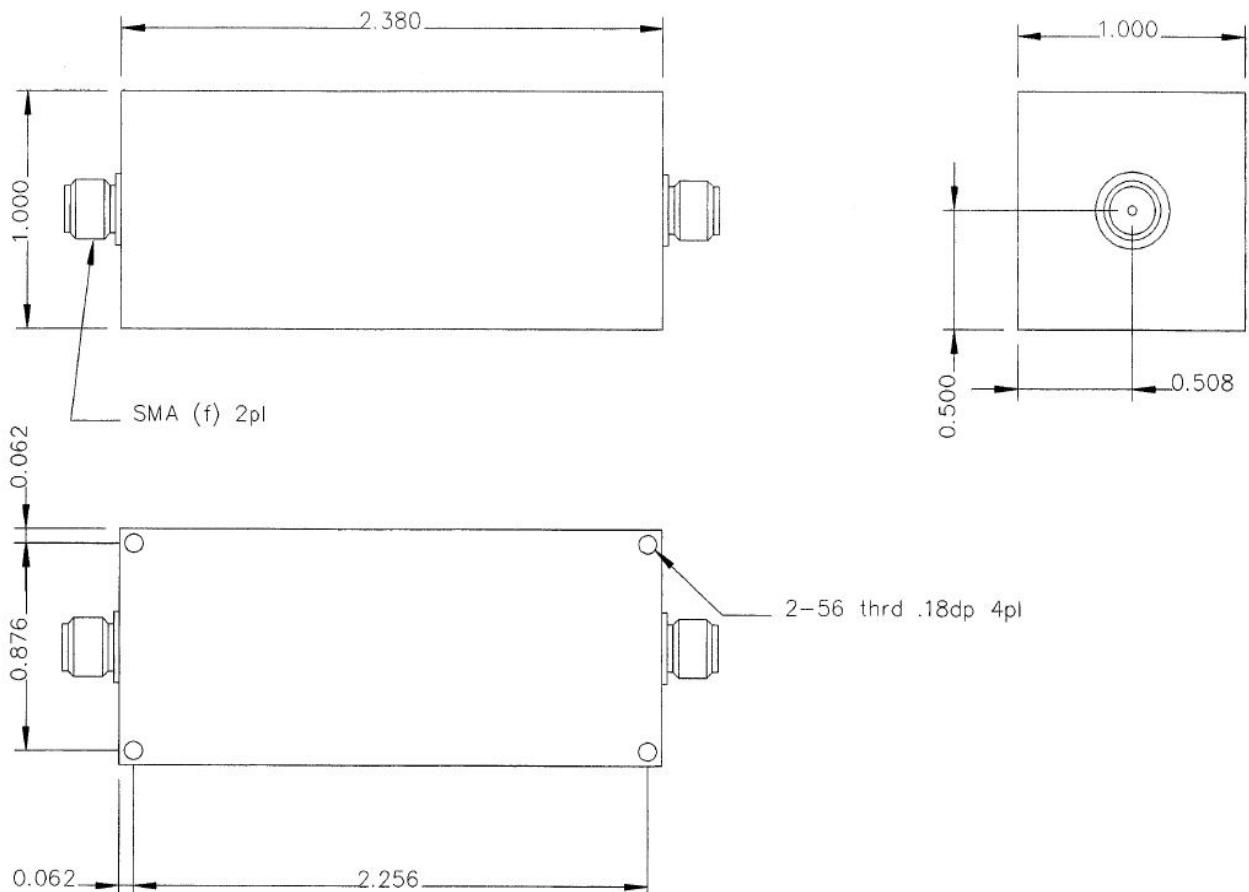
Operating Temperature: -25°C to +70°C

Storage Temperature: -40°C to +90°C

Shock: 10 G. 11ms

Vibration: 10 G. 5 to 200Hz

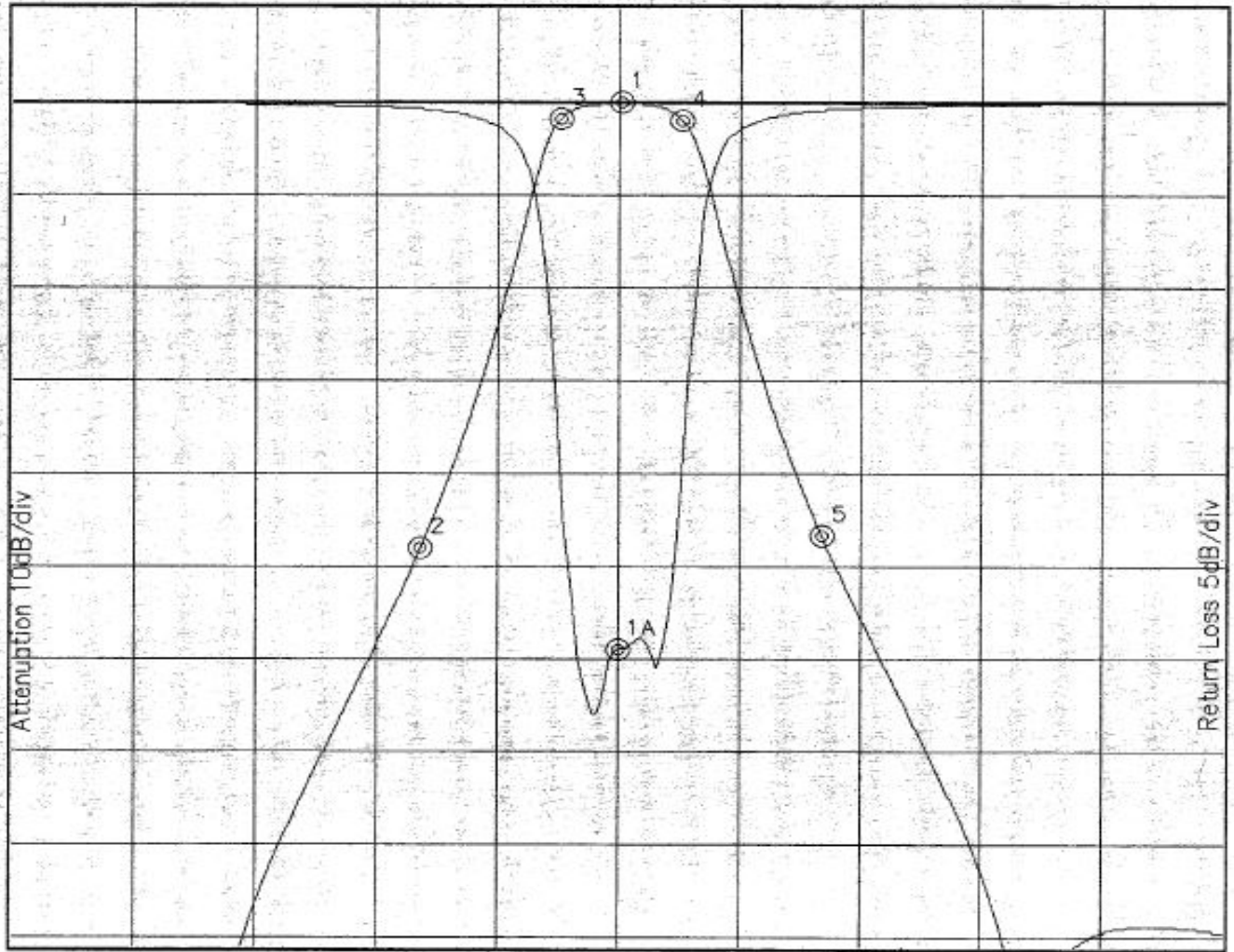
Outline Drawing:





Response Plot:

B5306.lad NOV 8, 1999 Attenuation/Return Loss



Attenuation Start: 40.0MHz Stop: 70.0MHz Return Loss Start: 40.0MHz Stop: 70.0MHz

Offset -3.913dB

- Marker 1 Freq 55.024MHz Atten -0.001dB
- Marker 2 Freq 50.032MHz Atten -47.919dB
- Marker 3 Freq 53.522MHz Atten -1.712dB
- Marker 4 Freq 56.527MHz Atten -1.882dB
- Marker 5 Freq 60.016MHz Atten -46.600dB

Marker 1A Freq 54.976MHz Ret Loss -29.310dB