



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

5200 MHz Bandpass Filter

Part Number: AE5200B6816



Electrical Specifications

Center Frequency: 5.2 GHz

0.5-dB Bandwidth: >7 GHz

Impedance: 50 Ohms

Insertion Loss: ≤ 1.5 dB

Rejection : ≥ 50 dB @ 2.5 GHz

Rejection2 : ≥ 70 dB @ 5.8 GHz

Rejection3 : ≥ 90 dB @ 17 GHz to 30 GHz

VSWR: <1.5:1

Mechanical

Mounting Method: Through Holes

Connector Type: Surface Mount

Dimensions: 2.0" X 0.75" x 0.5" in.

Environmental

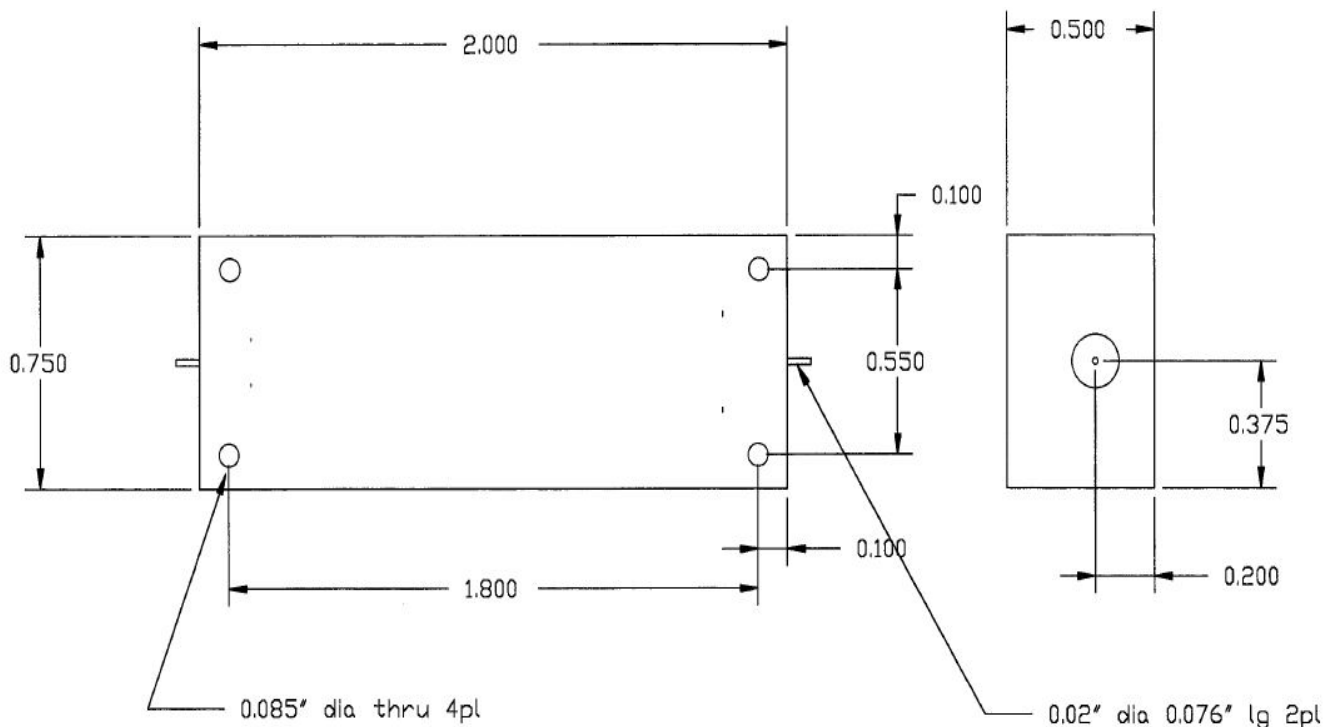
Operating Temperature: -40°C to +70°C

Storage Temperature: -25°C to +90°C

Shock: 10 G. 11ms

Vibration: 10 G. 5 to 200Hz

Outline Drawing:





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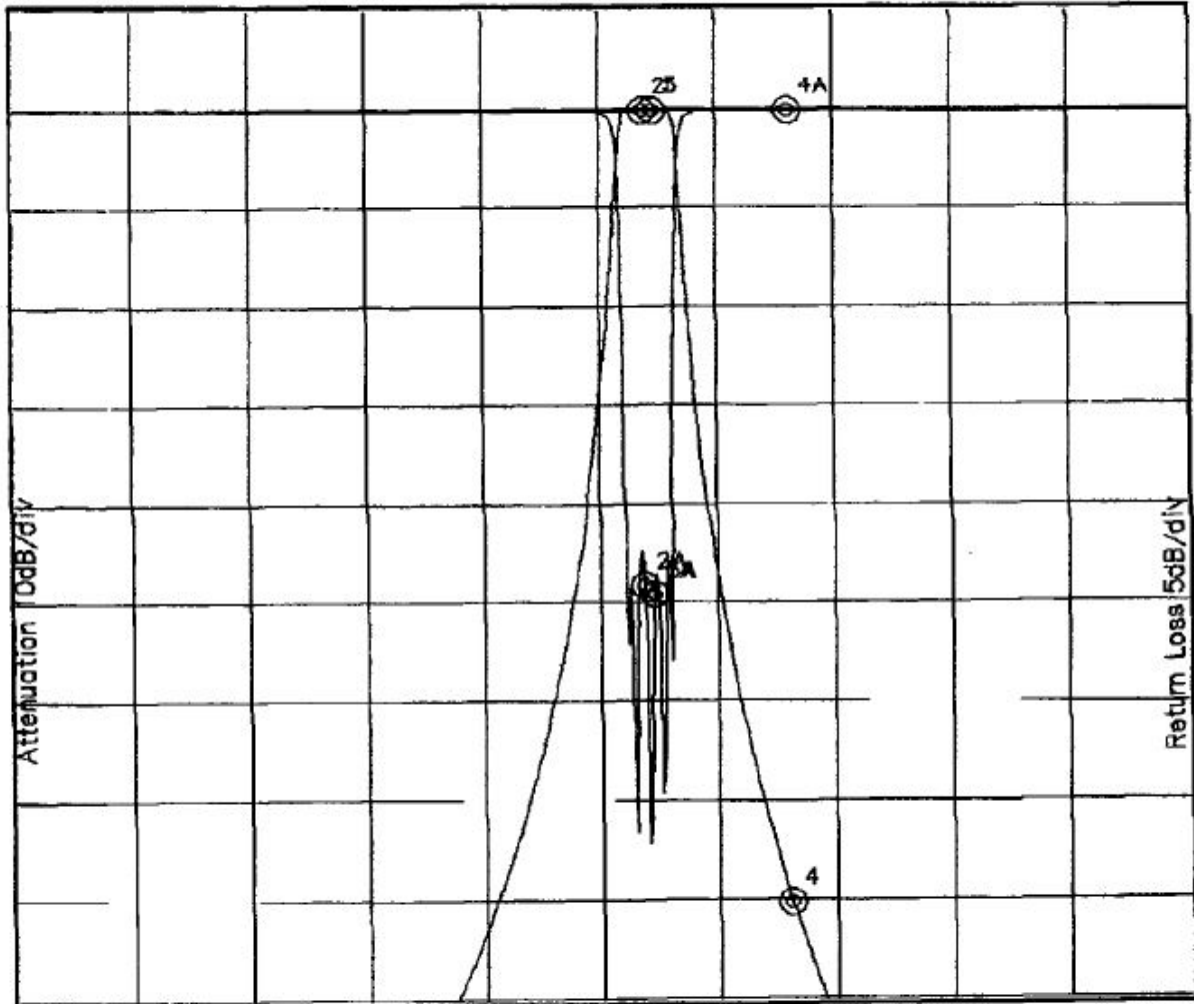


Response Plot:

ANATECH ELECTRONICS 5.2GHz BPF P/N B6816

JAN 14, 2004

Attenuation/Return Loss



Attenuation Start: 2.50GHz Stop: 7.50GHz

Return Loss Start: 2.50GHz Stop: 7.50GHz

Offset -0.8895dB

- Marker 1 Freq 5.222GHz Atten 0.090dB
- Marker 2 Freq 5.182GHz Atten 0.097dB
- Marker 3 Freq 5.222GHz Atten 0.090dB
- Marker 4 Freq 5.804GHz Atten -80.788dB

- Marker 1A Freq 5.222GHz Ret Loss -24.745dB
- Marker 2A Freq 5.182GHz Ret Loss -24.261dB
- Marker 3A Freq 5.222GHz Ret Loss -24.745dB
- Marker 4A Freq 5.804GHz Ret Loss 0.000dB