



### Electrical Specifications

**Center Frequency:** 5.2 GHz  
**0.5-dB Bandwidth:** >7 GHz  
**Impedance:** 50 Ohms  
**Insertion Loss:**  $\leq 1.5$  dB  
**Rejection :**  $\geq 50$  dB @ 2.5 GHz  
**Rejection2 :**  $\geq 70$  dB @ 5.8 GHz  
**Rejection3 :**  $\geq 90$  dB @ 17 GHz to 30 GHz  
**VSWR:** <1.5:1

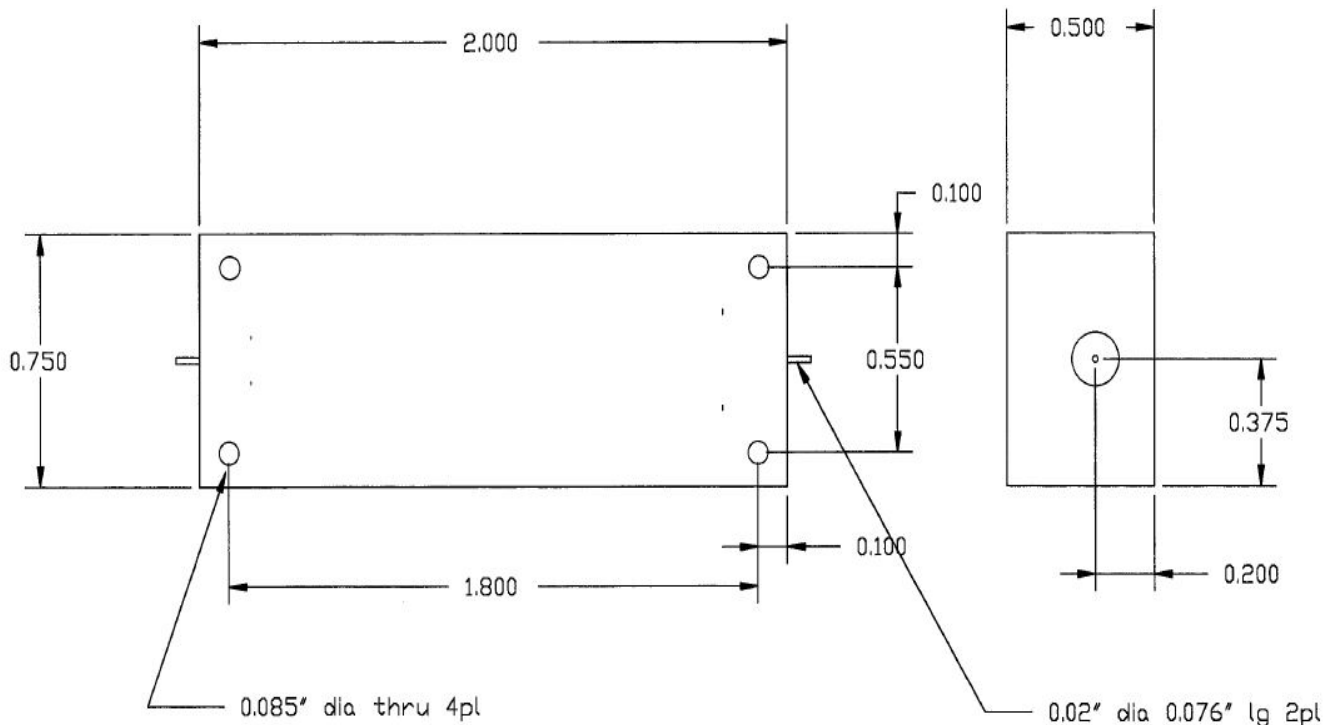
### Mechanical

**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:





**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products

# 5200 MHz Bandpass Filter

Part Number: AE5200B6816

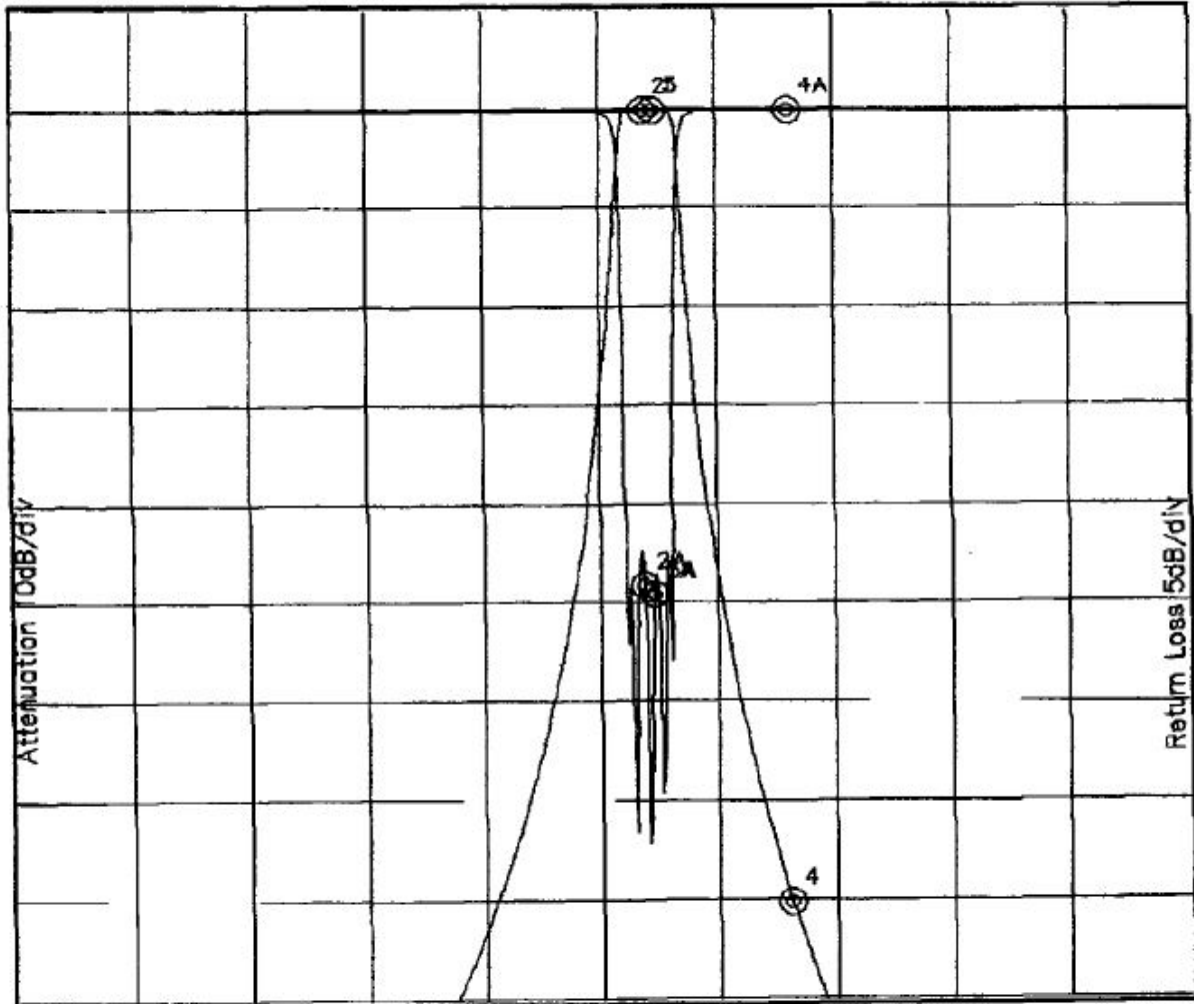


## Response Plot:

### 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