



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

5785 MHz Cavity Band Pass Filter

Part Number: AE5785B5944



Electrical Specifications

Center Frequency: 5785 MHz
1.0 dB Bandwidth: 125 MHz
Insertion Loss: 2.0 dB Max.
Rejection: ≥ 35 dB @ 5600 MHz
Rejection2: ≥ 35 dB @ 5950 MHz
Power Handling: 50 W

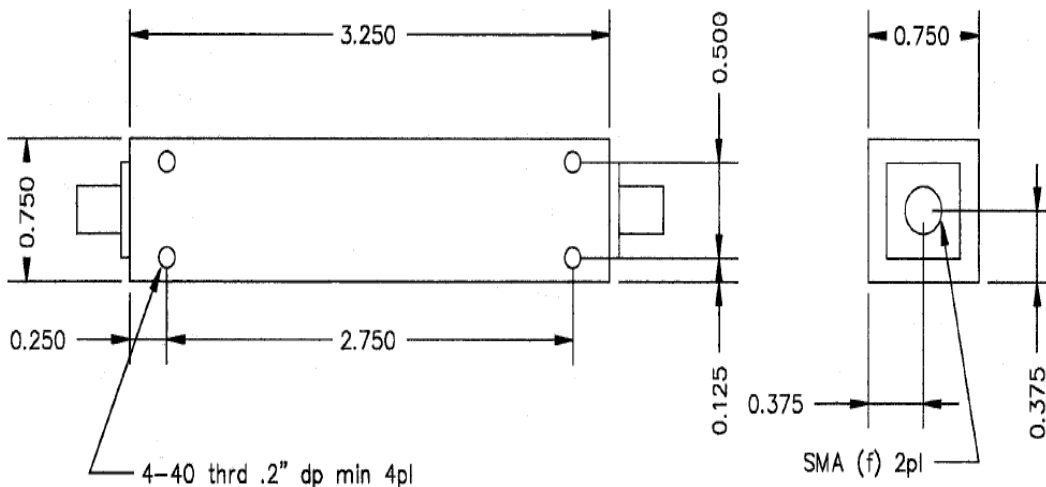
Mechanical

Mounting Method: Threaded Mounting Holes
Connector Type: SMA (F)
Dimensions: 3.25" X 0.750" x 0.750" .

Environmental

Operating Temperature: -25°C to +70°C
Storage Temperature: -40°C to +90°C
Shock: 20 G. 11ms
Vibration: 20 G. 5 to 200Hz

Outline Drawing:





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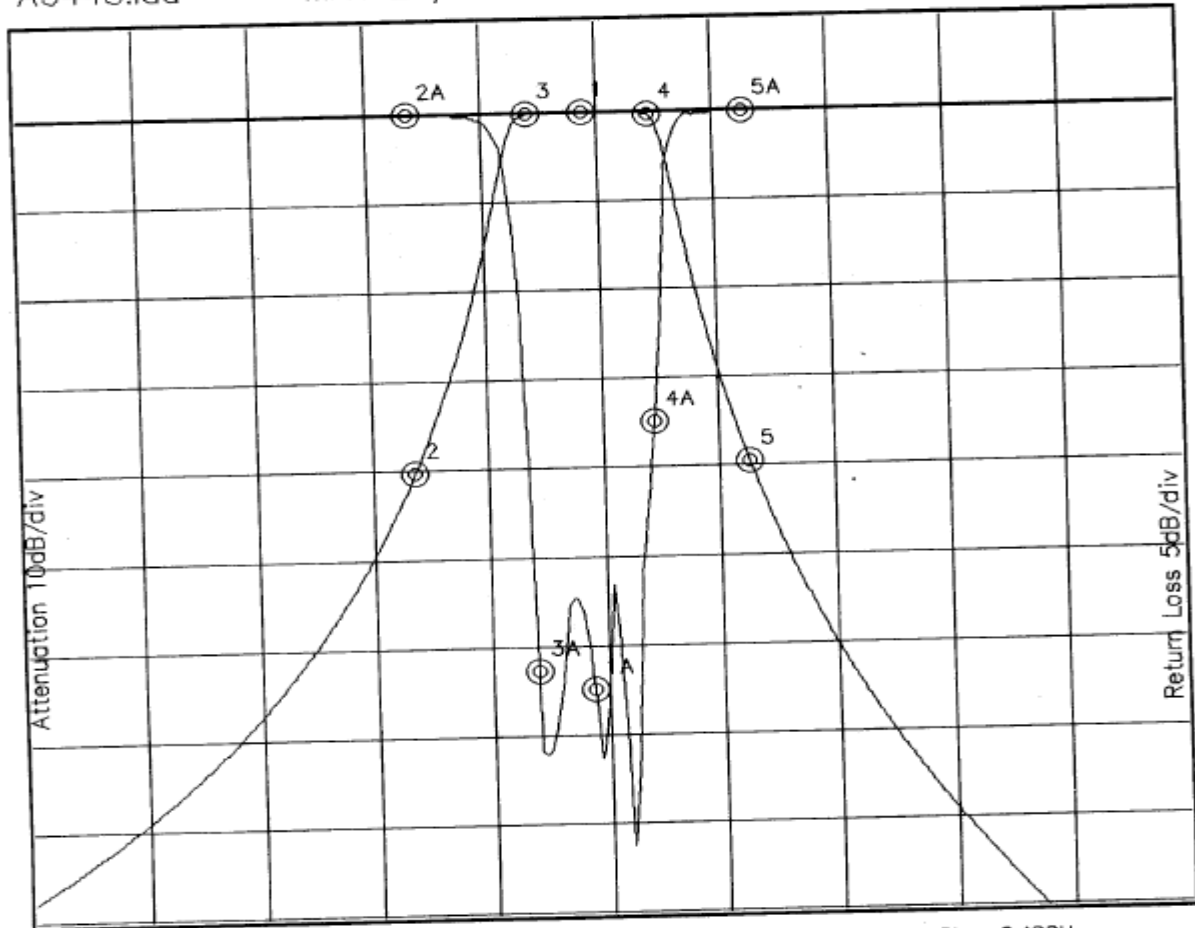


Response Plot:

A0445.lad

MAY 29, 2001

Attenuation/Return Loss



Attenuation Start: 5.20GHz Stop: 6.40GHz

Return Loss Start: 5.20GHz Stop: 6.40GHz

Offset -0.4347dB

Marker 1 Freq 5.784GHz Atten -0.101dB
 Marker 2 Freq 5.601GHz Atten -40.707dB
 Marker 3 Freq 5.725GHz Atten -0.307dB
 Marker 4 Freq 5.851GHz Atten -0.529dB
 Marker 5 Freq 5.950GHz Atten -39.860dB

Marker 1A Freq 5.784GHz Ret Loss -32.577dB
 Marker 2A Freq 5.601GHz Ret Loss 0.000dB
 Marker 3A Freq 5.725GHz Ret Loss -31.545dB
 Marker 4A Freq 5.851GHz Ret Loss -17.616dB
 Marker 5A Freq 5.950GHz Ret Loss -0.069dB