



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

1762 MHz LC Band Pass Filter

Part Number: AE1762B5818



Electrical Specifications

Center Frequency: 1762 MHz
3.0dB Bandwidth: 250 MHz
Insertion Loss: 2.0dB Max.
Return Loss: 14dB Min.
Rejection: $\geq 40\text{dB}$ @ 1400 MHz
Rejection2: $\geq 60\text{ dB}$ @ 0-938MHz

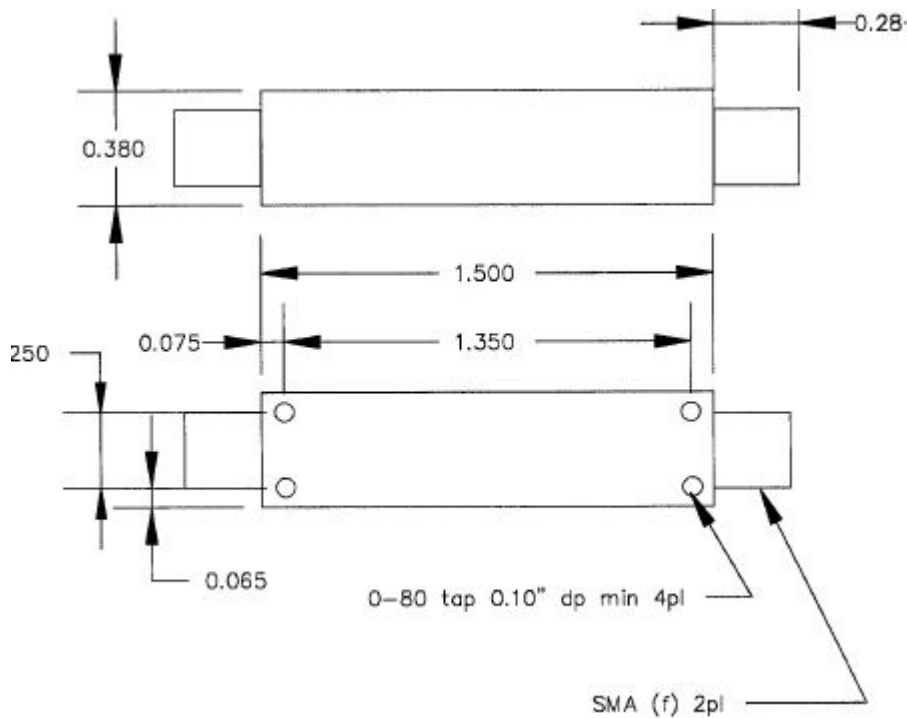
Mechanical

Connector Type: SMA(F)
Dimensions: 1.5" X 0.38" x 0.38" .

Environmental

Operating Temperature: -25°C to $+70^{\circ}\text{C}$
Storage Temperature: -40°C to $+90^{\circ}\text{C}$
Shock: 10 G. 11ms
Vibration: 10 G. 5 to 200Hz

Outline Drawing:



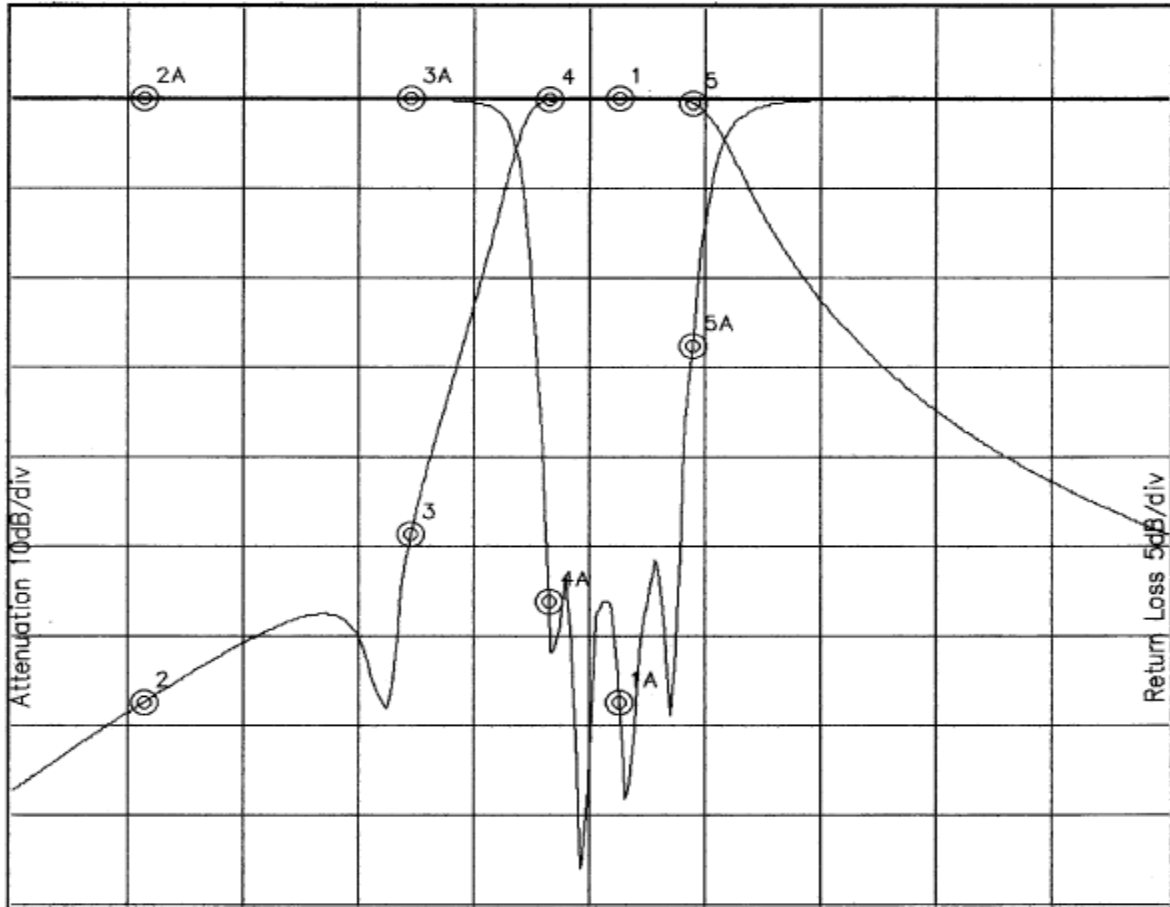


Response Plot:

B5818.lad

MAY 4, 2001

Attenuation/Return Loss



Attenuation Start: 712.0MHz Stop: 2.712GHz
Offset -0.4347dB

Return Loss Start: 712.0MHz Stop: 2.712GHz

Marker 1 Freq 1.762GHz Atten -0.100dB
Marker 2 Freq 938.17MHz Atten -67.736dB
Marker 3 Freq 1.40GHz Atten -49.020dB
Marker 4 Freq 1.639GHz Atten -0.315dB
Marker 5 Freq 1.888GHz Atten -0.612dB

Marker 1A Freq 1.762GHz Ret Loss -33.881dB
Marker 2A Freq 938.17MHz Ret Loss 0.000dB
Marker 3A Freq 1.40GHz Ret Loss 0.000dB
Marker 4A Freq 1.639GHz Ret Loss -28.226dB
Marker 5A Freq 1.888GHz Ret Loss -13.945dB