



Electrical Specifications

Center Frequency: 250 MHz
 Bandwidth: 100 MHz
 Passband : 200 MHz to 300 MHz
 Insertion Loss: ≤ 2dB
 Rejection: 60dB Min @ 0-150 MHz
 Rejection2: 40dB Min @ 170 MHz
 Rejection3: 40dB Min @ 350 MHz
 Rejection4: 60dB Min @ 400 MHz to 2000 MHz
 Impedance: 50 Ohms
 Power Handling: 5 Watts

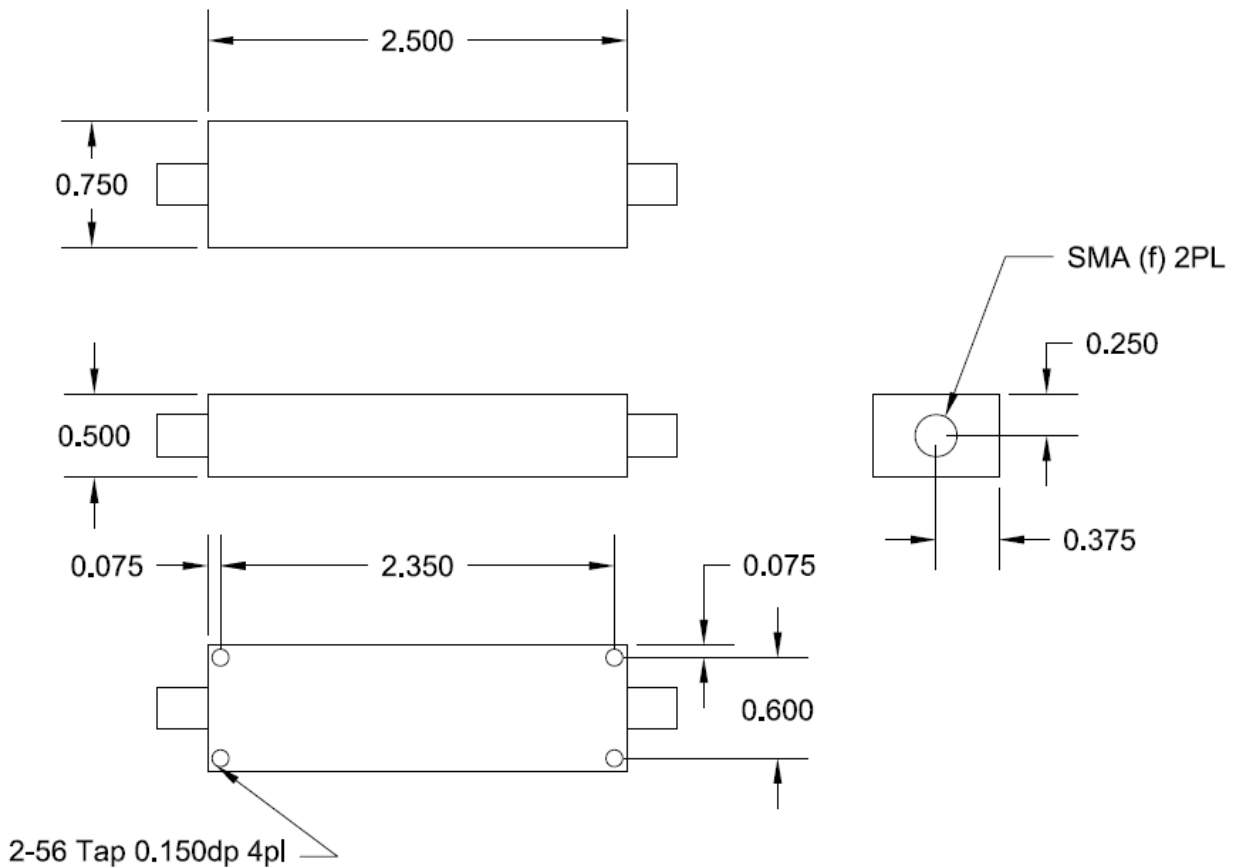
Mechanical

Mounting Method: Threaded Holes
Connector Type: SMA(F)
Dimensions: 2.5" x 0.75" x 0.5"

Environmental

Operating Temperature: -40°C to +85°C
Storage Temperature: -50°C to +95°C
Shock: 10 G. 11ms
Vibration: 10 G. 5 to 200Hz

Outline Drawing:



Tolerance: +/-0.01 inches [+/-0.3mm]

Angles: +/-1 Deg.

*Tolerance as shown unless otherwise specified in the datasheet electrical specification tables above.

*When max dimensions are called out the above tolerances do not apply as long as it is under the max call out.



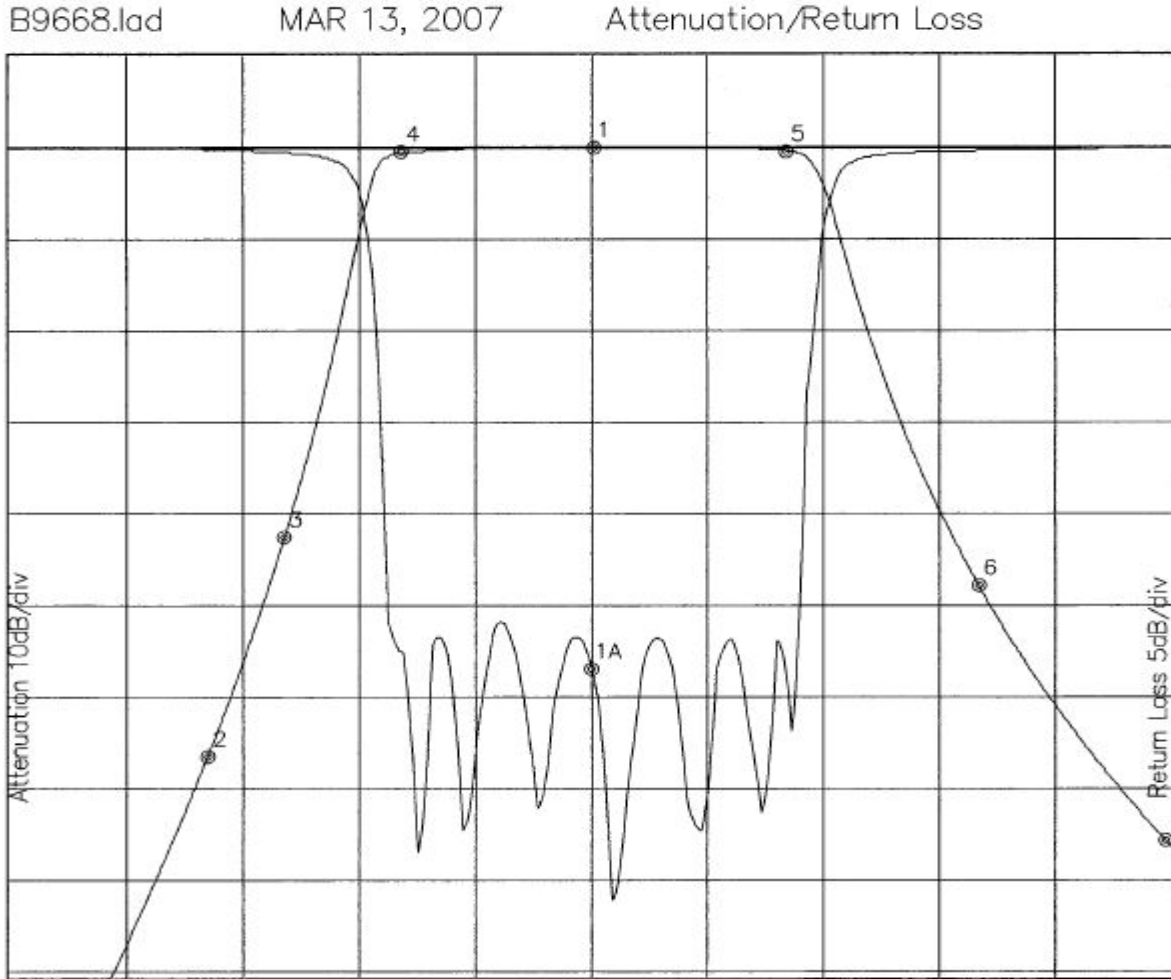
ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

250 MHz LC Bandpass Filter

Part Number: AE250B9668-S



Simulation Plot:



Attenuation Start: 100.0MHz Stop: 400.0MHz

Return Loss Start: 100.0MHz Stop: 400.0MHz

Offset -0.8695dB

Marker 1 Freq 250.24MHz Atten 0.092dB
Marker 2 Freq 150.40MHz Atten -66.461dB
Marker 3 Freq 170.27MHz Atten -42.618dB
Marker 4 Freq 200.32MHz Atten -0.536dB
Marker 5 Freq 300.16MHz Atten -0.328dB
Marker 6 Freq 350.08MHz Atten -47.903dB
Marker 7 Freq 398.54MHz Atten -75.653dB

Marker 1A Freq 249.75MHz Ret Loss -28.470dB

Note: This is a simulated response plot. Actual performance might differ.