



**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

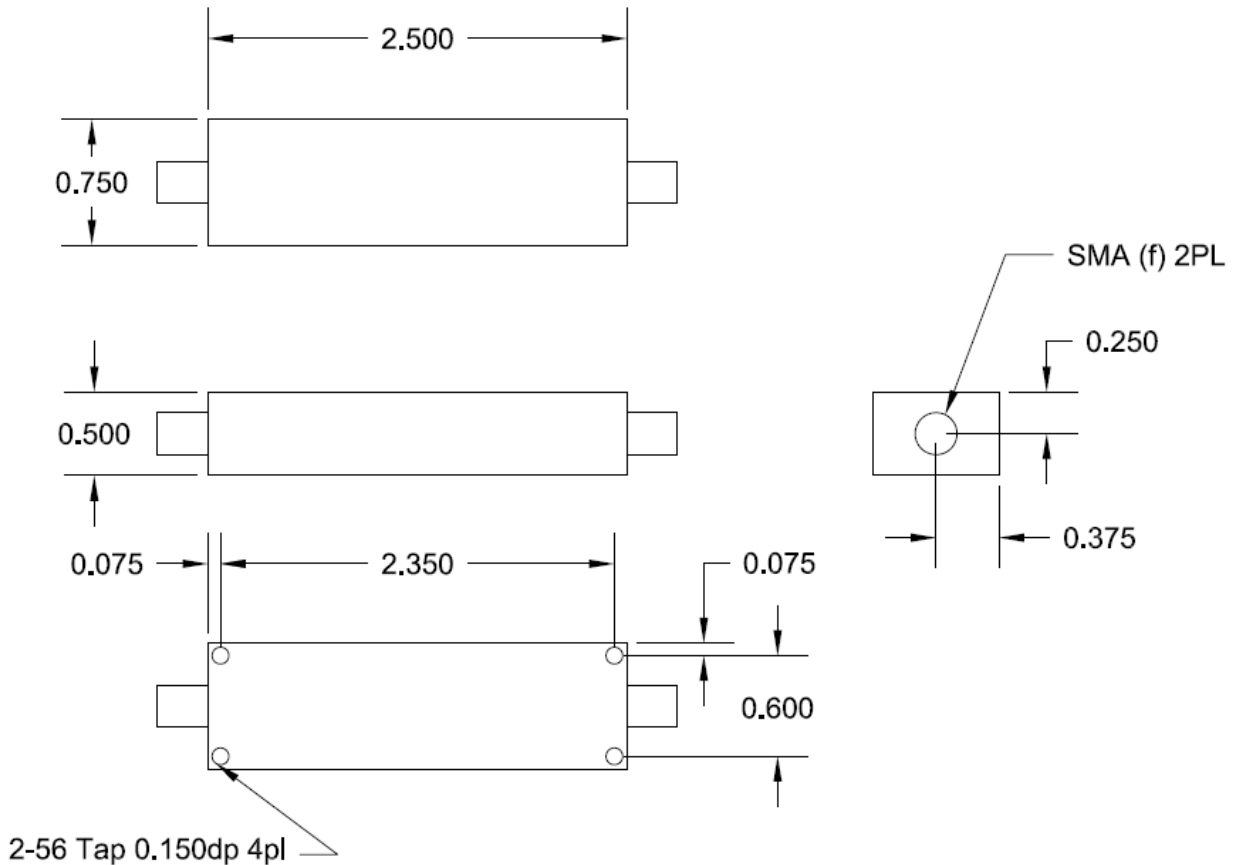
**Mechanical**

**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]

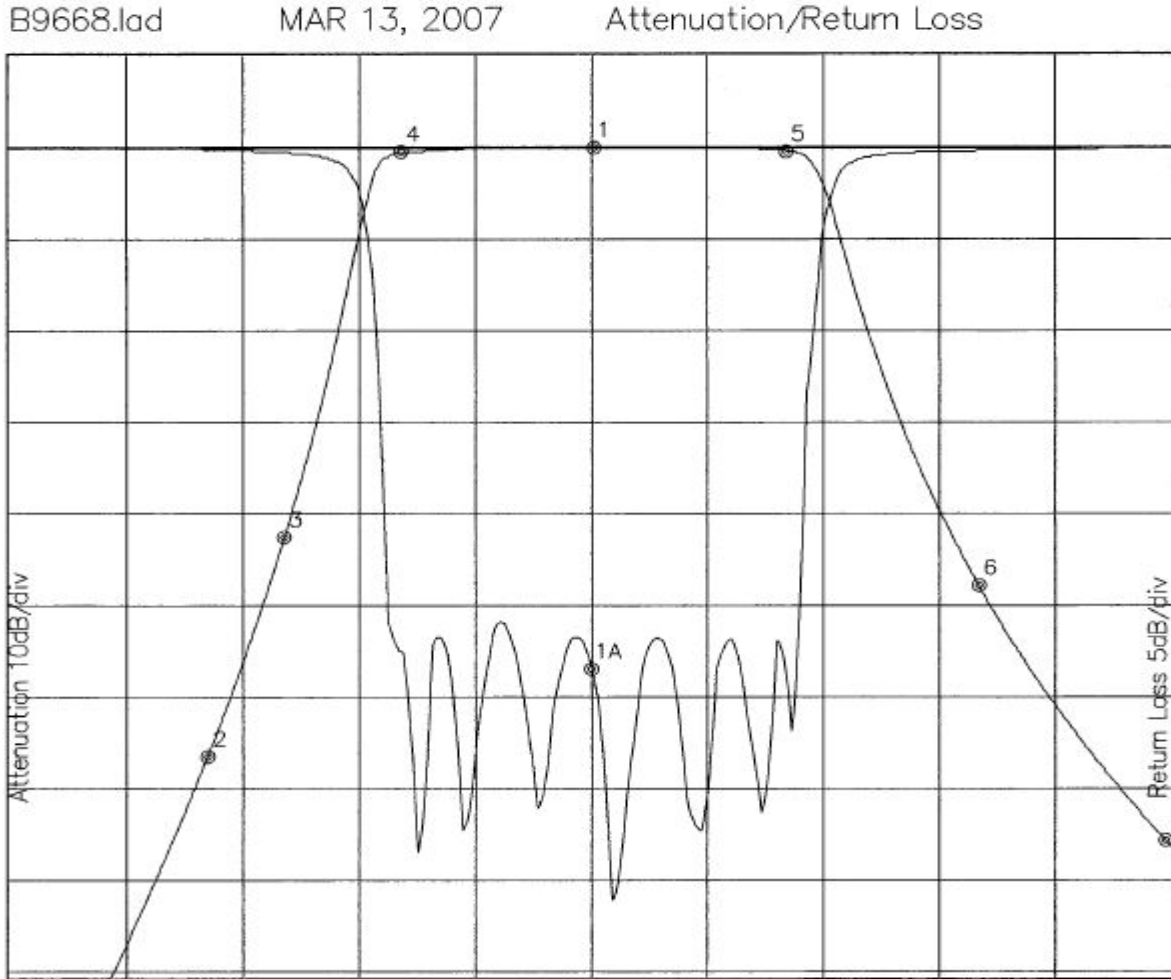
Angles: +/-1 Deg.

\*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.



### 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.