



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

250 MHz LC Bandpass Filter

Part Number: AE250B9668



Electrical Specifications

Center Frequency: 250 MHz
Bandwidth: 100 MHz
Passband : 200 MHz to 300 MHz
Insertion Loss: ≤ 2 dB
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

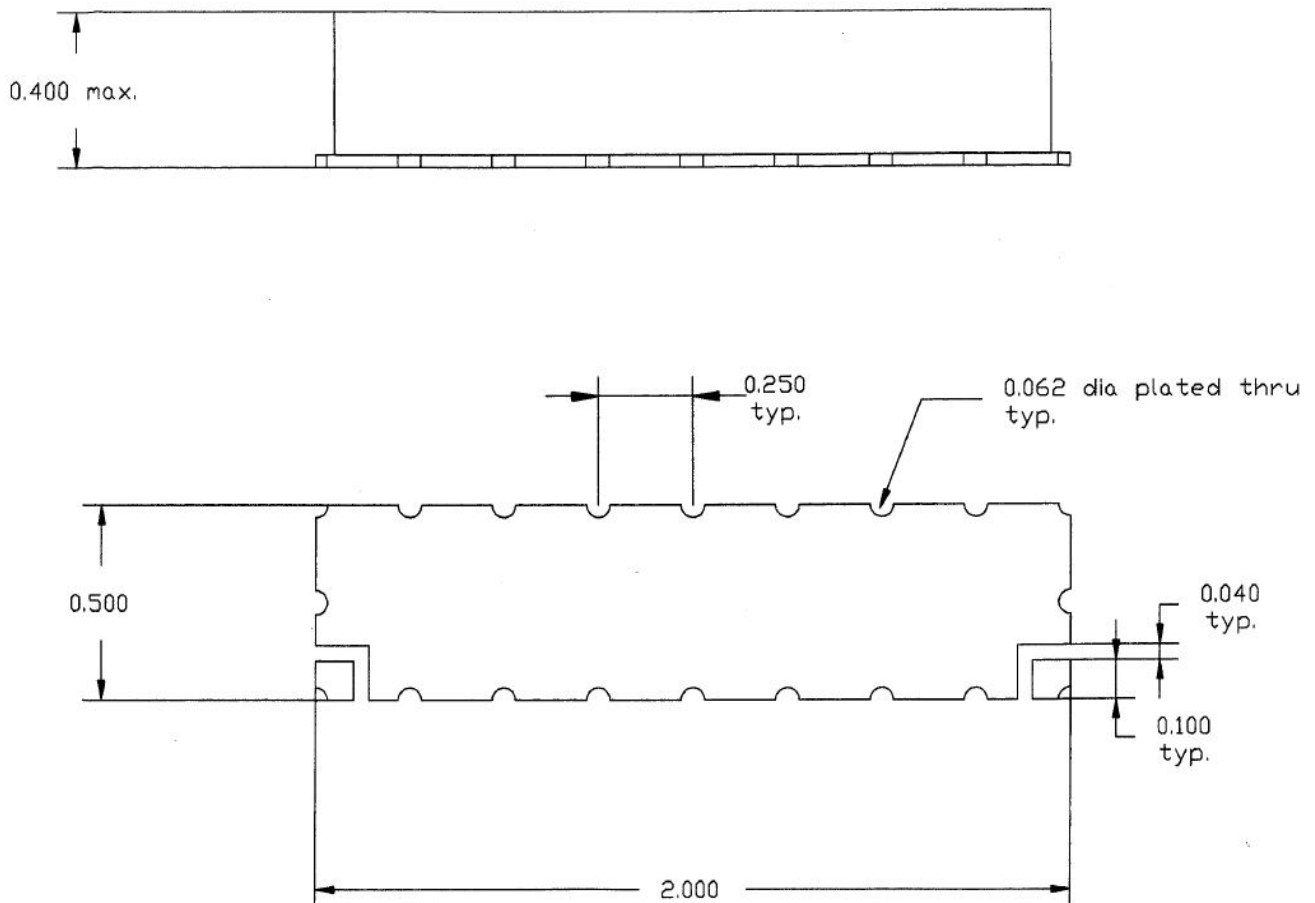
Mechanical

Mounting Method: Through Holes
Dimensions: 2.0" x 0.5" x 0.4" in.

Environmental

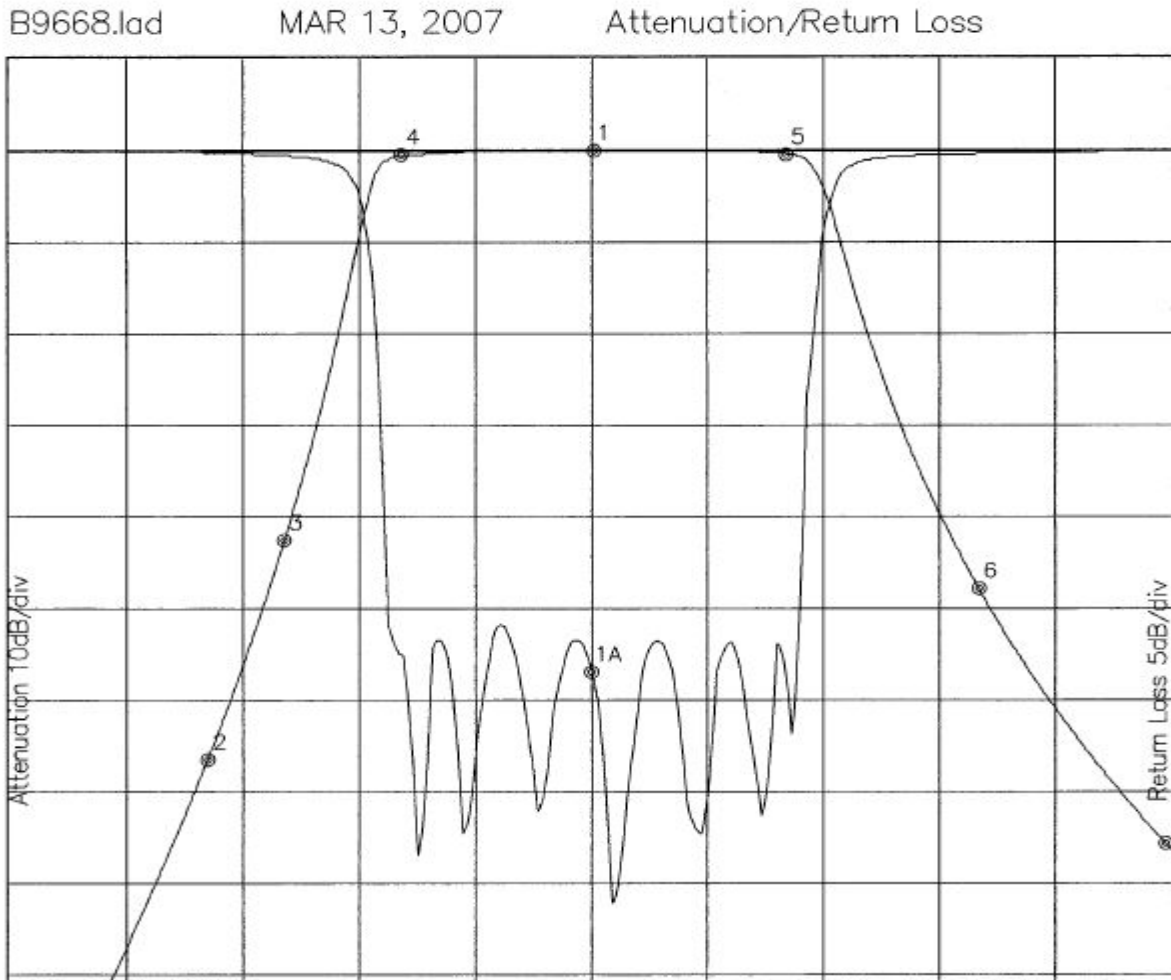
Operating Temperature: -40°C to $+85^{\circ}\text{C}$
Storage Temperature: -50°C to $+95^{\circ}\text{C}$
Shock: 10 G. 11ms
Vibration: 10 G. 5 to 200Hz

Outline Drawing:





Response 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