



**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:**  $\leq 2$  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

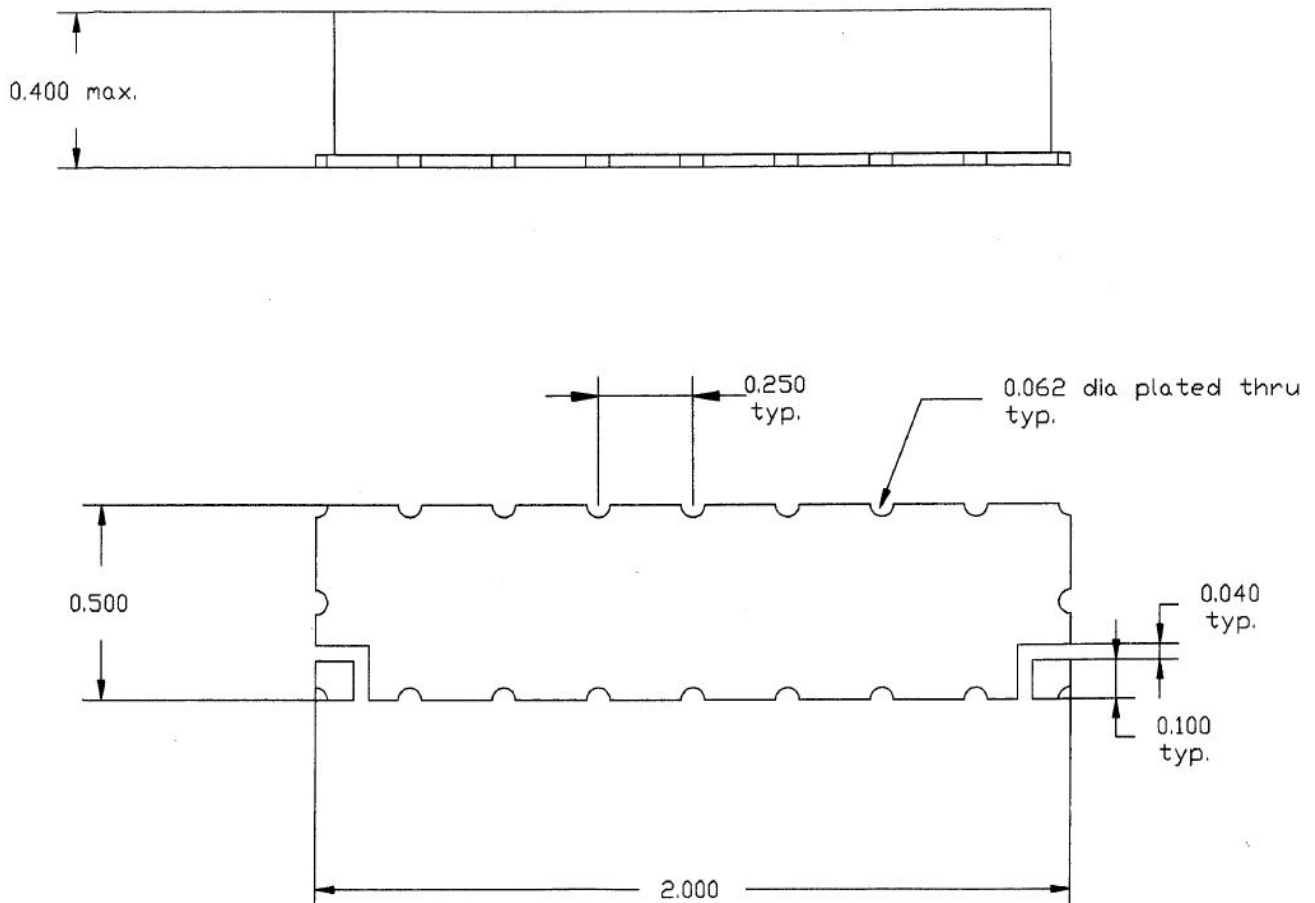
### Mechanical

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

### Environmental

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

### Outline Drawing:





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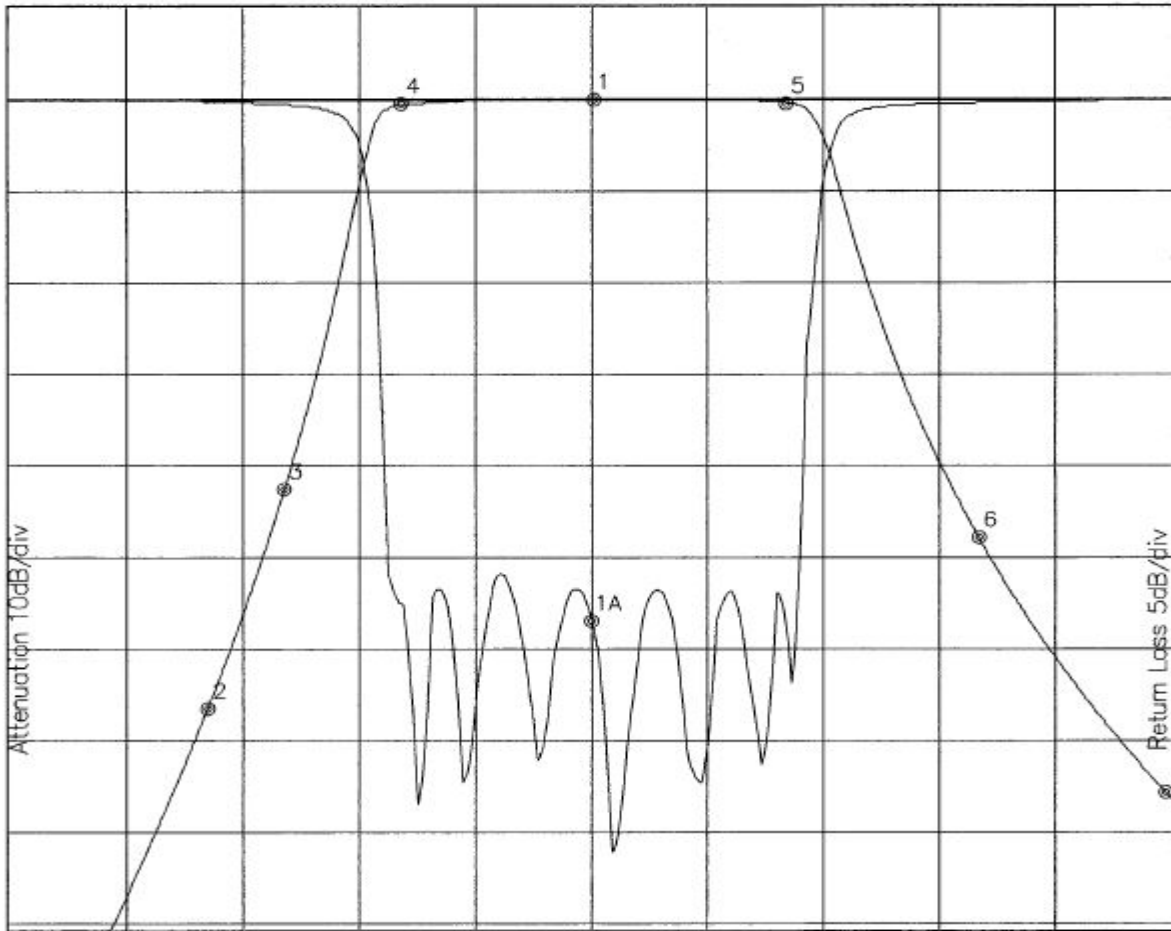


## Response Plot:

B9668.lad

MAR 13, 2007

Attenuation/Return Loss



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