



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

390 MHz LC Bandpass Filter

Part Number: AE390B9770



Electrical Specifications

Center Frequency: 390 MHz
Bandwidth: 180 MHz
Passband : 300 MHz to 480 MHz
Insertion Loss: ≤ 2 dB
Return Loss: >16 dB from 300 MHz to 480 MHz
Rejection: >60 dB @ 0-200 MHz
Rejection2: >40 dB @ 250 MHz & 575 MHz
Rejection3: >60 dB @ 680 MHz to 3000 MHz
Impedance: 50 Ohms
Power Handling: 5 Watts

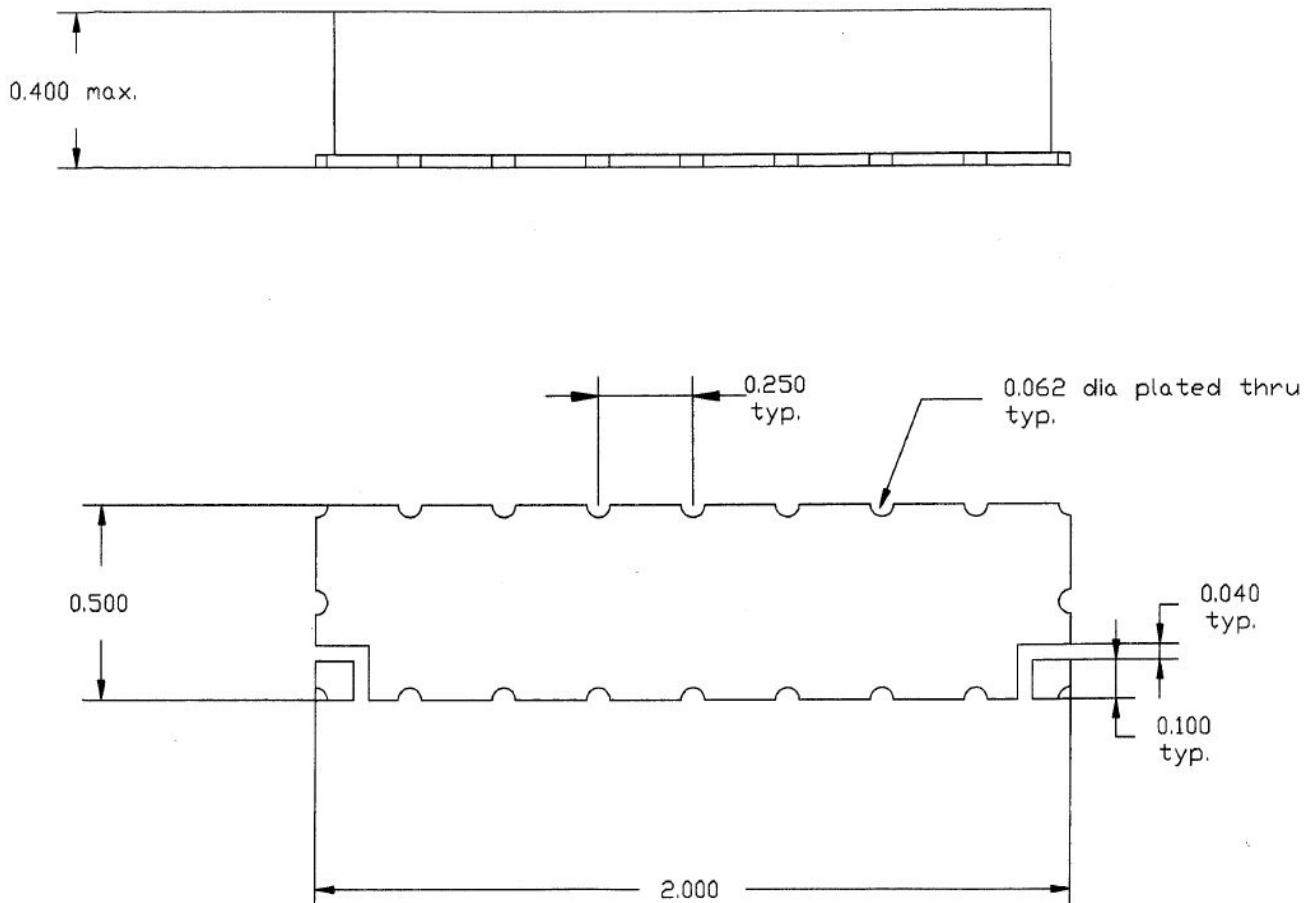
Mechanical

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

Environmental

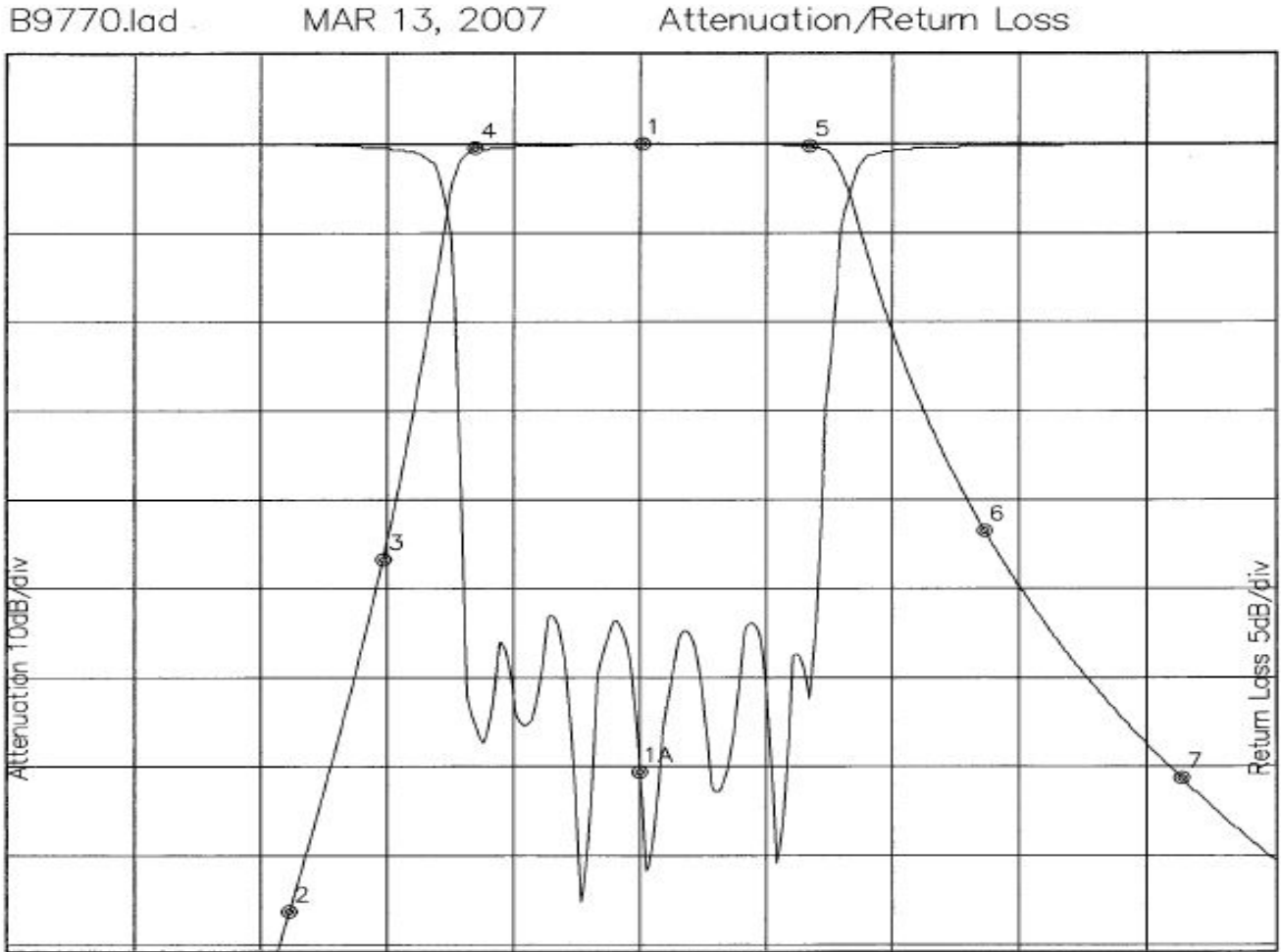
Operating Temperature: -40°C to $+85^{\circ}\text{C}$
Storage Temperature: -50°C to $+95^{\circ}\text{C}$
Shock: 10 G. 11ms
Vibration: 10 G. 5 to 200Hz

Outline Drawing:





Response Plot:



Attenuation Start: 50.0MHz Stop: 730.0MHz

Return Loss Start: 50.0MHz Stop: 730.0MHz

Offset -0.6521dB

- Marker 1 Freq 390.54MHz Atten -0.008dB
- Marker 2 Freq 200.50MHz Atten -86.367dB
- Marker 3 Freq 251.03MHz Atten -46.646dB
- Marker 4 Freq 300.46MHz Atten -0.451dB
- Marker 5 Freq 480.63MHz Atten -0.269dB
- Marker 6 Freq 575.10MHz Atten -43.567dB
- Marker 7 Freq 680.56MHz Atten -71.408dB

Marker 1A Freq 389.45MHz Ret Loss -35.274dB