



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

155 MHz LC Bandpass Filter

Part Number: AE155B9669



Electrical Specifications

Center Frequency: 155 MHz
Bandwidth: 90 MHz
Passband : 110 MHz to 200 MHz
Insertion Loss: ≤ 2 dB
Return Loss: >16 dB from 110 MHz to 200 MHz
Rejection: >60 dB @ 0-70 MHz
Rejection2: >40 dB @ 88 MHz
Rejection3: >60 dB @ 300 MHz to 3000 MHz
Impedance: 50 Ohms
Power Handling: 5 Watts

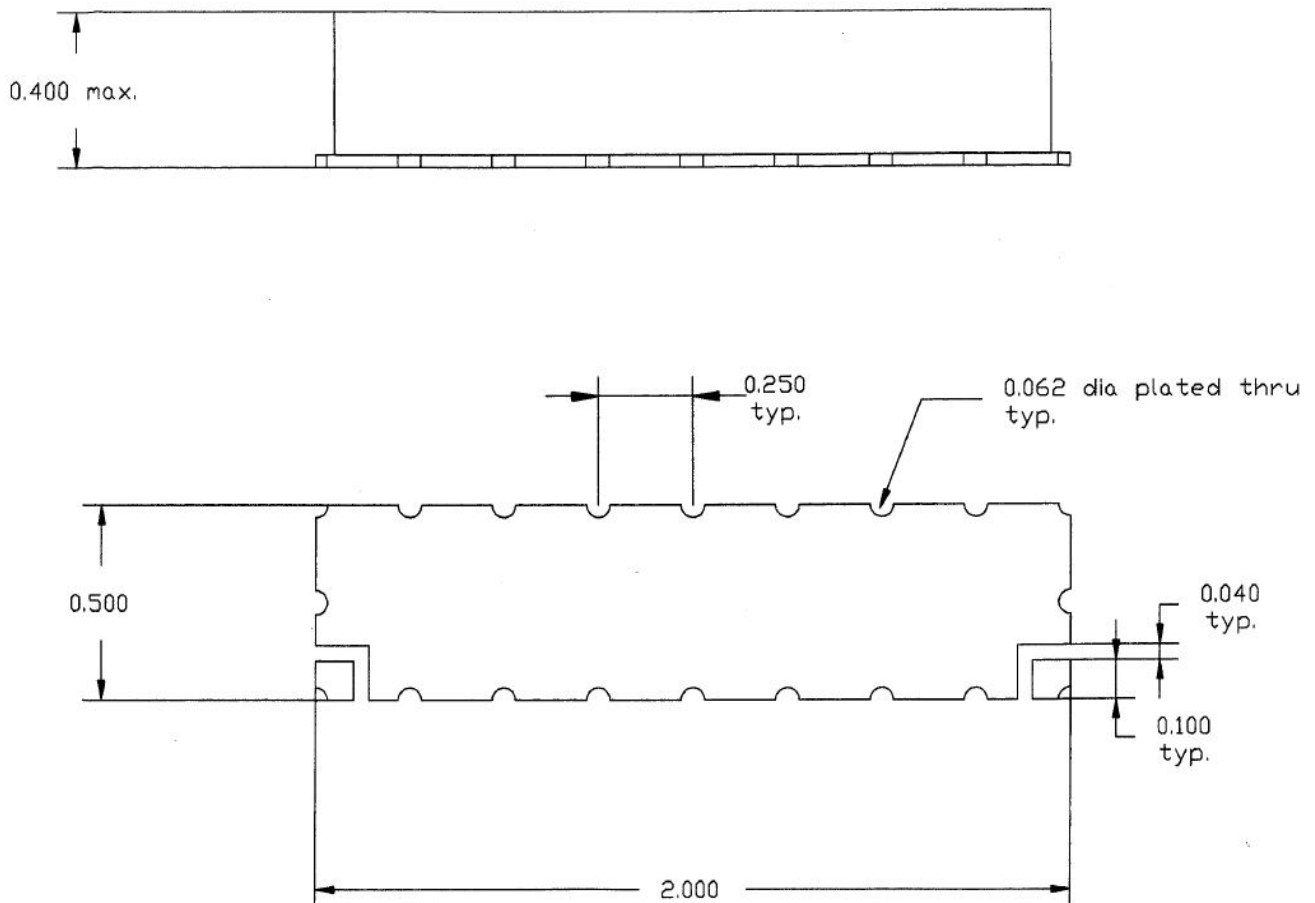
Mechanical

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

Environmental

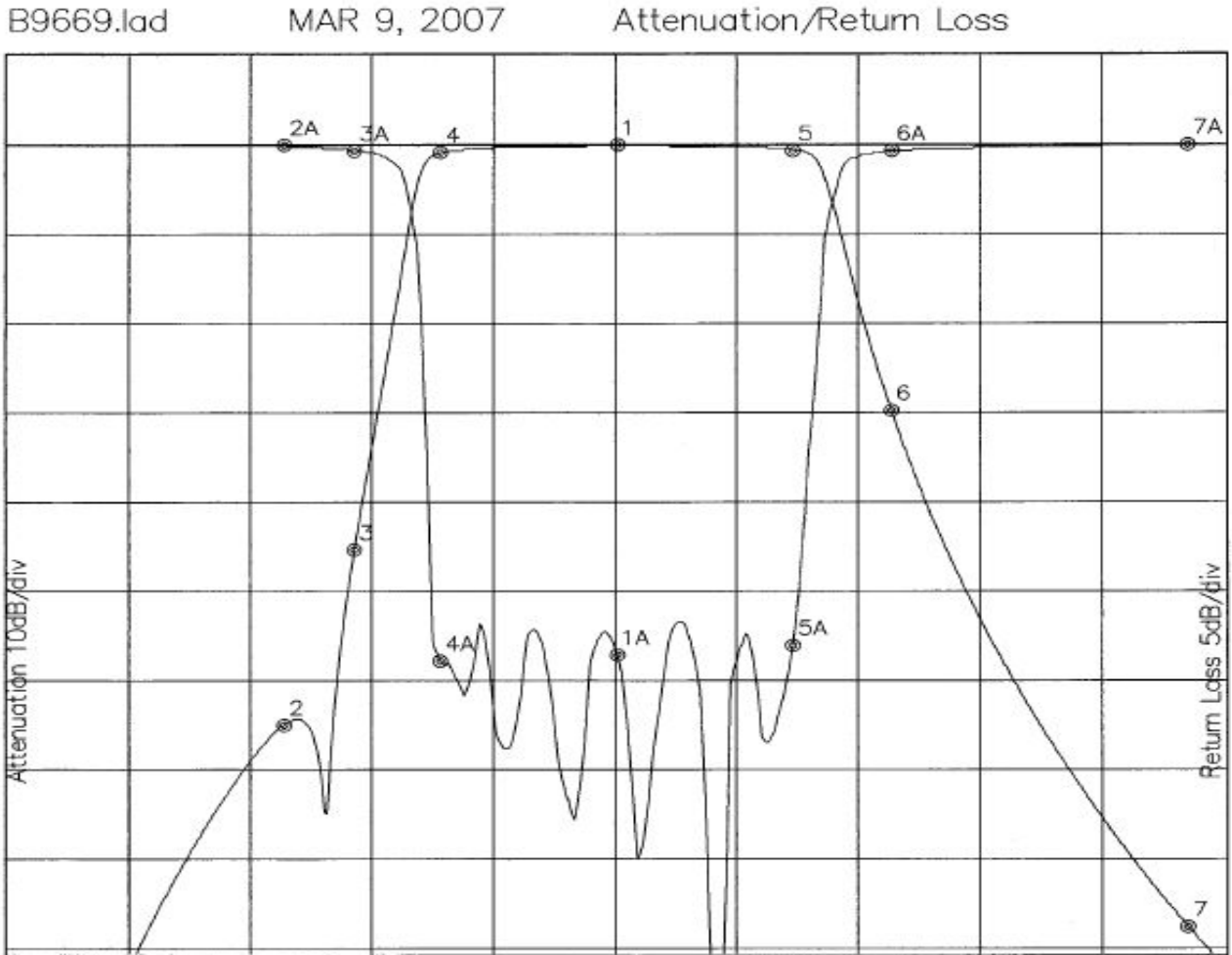
Operating Temperature: -40°C to $+85^{\circ}\text{C}$
Storage Temperature: -50°C to $+95^{\circ}\text{C}$
Shock: 10 G. 11ms
Vibration: 10 G. 5 to 200Hz

Outline Drawing:





Response Plot:



Attenuation Start: 0.031Hz Stop: 310.0MHz

Return Loss Start: 0.031Hz Stop: 310.0MHz

Offset -0.6521dB

Marker 1 Freq 155.25MHz Atten -0.094dB
 Marker 2 Freq 70.113MHz Atten -64.967dB
 Marker 3 Freq 88.142MHz Atten -45.464dB
 Marker 4 Freq 110.17MHz Atten -0.933dB
 Marker 5 Freq 200.32MHz Atten -0.551dB
 Marker 6 Freq 225.36MHz Atten -29.850dB
 Marker 7 Freq 300.48MHz Atten -87.531dB

Marker 1A Freq 155.25MHz Ret Loss -28.614dB
 Marker 2A Freq 70.113MHz Ret Loss -0.038dB
 Marker 3A Freq 88.142MHz Ret Loss -0.296dB
 Marker 4A Freq 110.17MHz Ret Loss -28.903dB
 Marker 5A Freq 200.32MHz Ret Loss -28.060dB
 Marker 6A Freq 225.36MHz Ret Loss -0.348dB
 Marker 7A Freq 300.48MHz Ret Loss 0.000dB