



47-84 MHz LC Lowpass Filter

Part Number: AE84L9057



Electrical specifications

Cutoff frequency: 84 MHz
Passband: 47-84 MHz
Insertion loss: 3dB Max.
Return loss: 15dB Min.
Rejection : ≥ 40 dB @ 94 MHz
Power Handling: 10 Watts

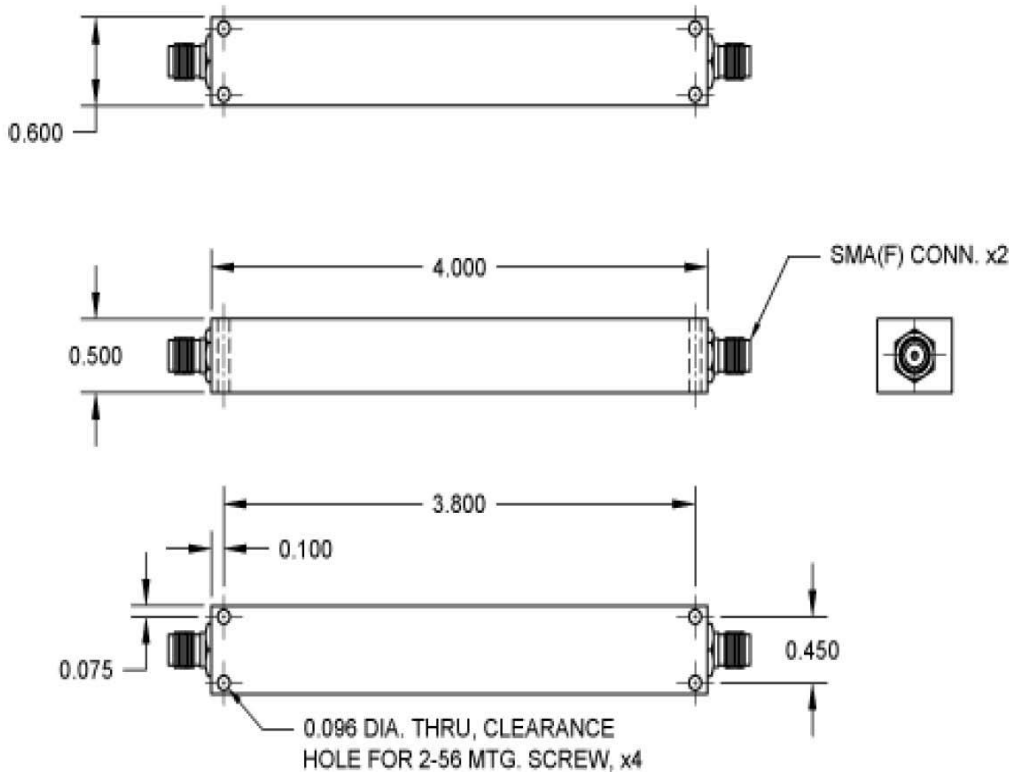
Mechanical

Mounting Method: Through Holes
Connector Type: SMA(F)
Dimensions: 4.0 x 0.6 x 0.5 In.

Environmental

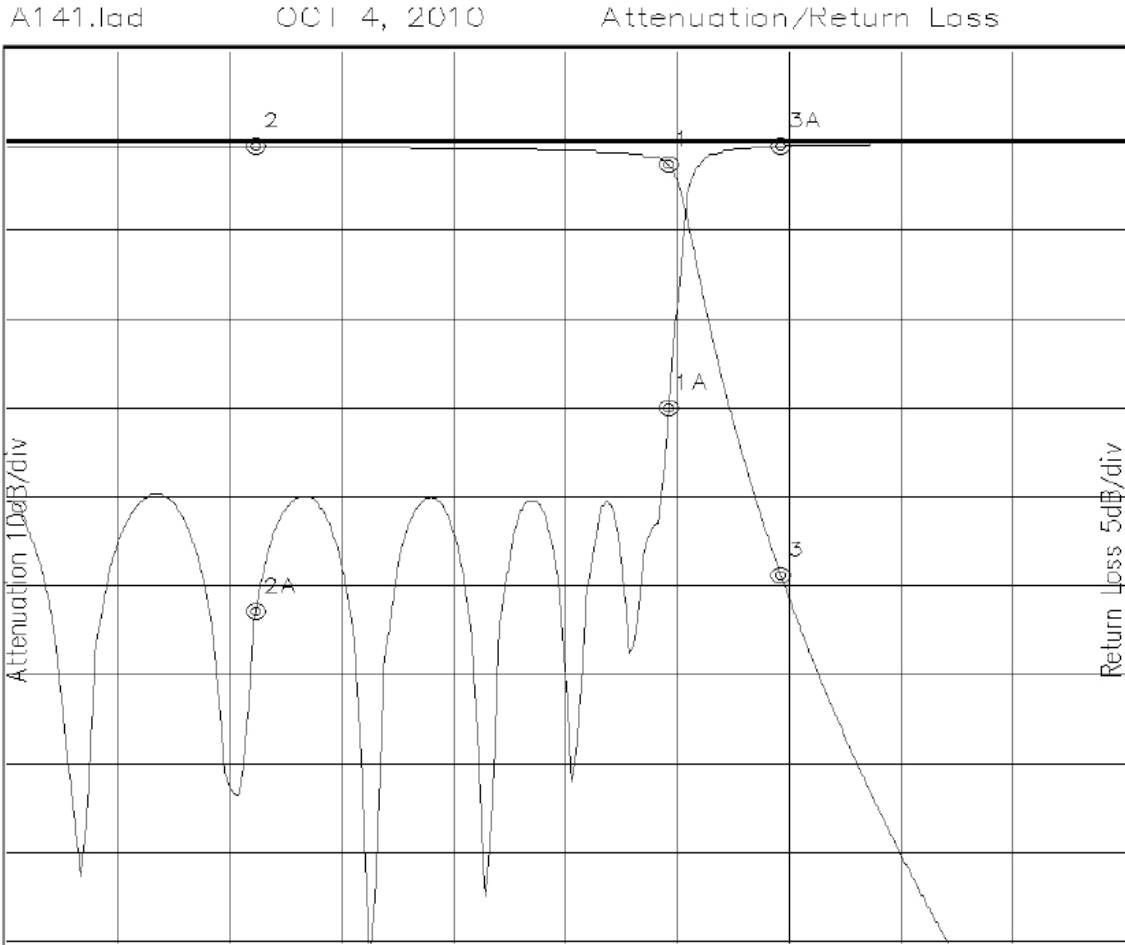
Operating Temperature: -40°C to +70°C
Storage Temperature: -55°C to +85° C
Shock: 10 G. 11ms
Vibration: 10 G. 5 to 200 Hz

Outline Drawing:





Response Plot :



Attenuation Start: 25.0MHz Stop: 125.0MHz Return Loss Start: 25.0MHz Stop: 125.0MHz

Marker 1 Freq 84.128MHz Atten -2.706dB
 Marker 2 Freq 47.132MHz Atten -0.629dB
 Marker 3 Freq 94.144MHz Atten -49.040dB

Marker 1A Freq 84.128MHz Ret Loss -15.075dB
 Marker 2A Freq 47.132MHz Ret Loss -26.616dB
 Marker 3A Freq 94.144MHz Ret Loss -0.280dB