



30-47 MHz LC Lowpass Filter

Part Number: AE47L9058



Electrical specifications

Cutoff Frequency (FC): 38.5 MHz
Passband: 30-47 MHz
Insertion loss over Passband: 3 dB Min
Return loss Over Passband: 15 dB Max
Rejection @ 60 MHz: 40 dB Max

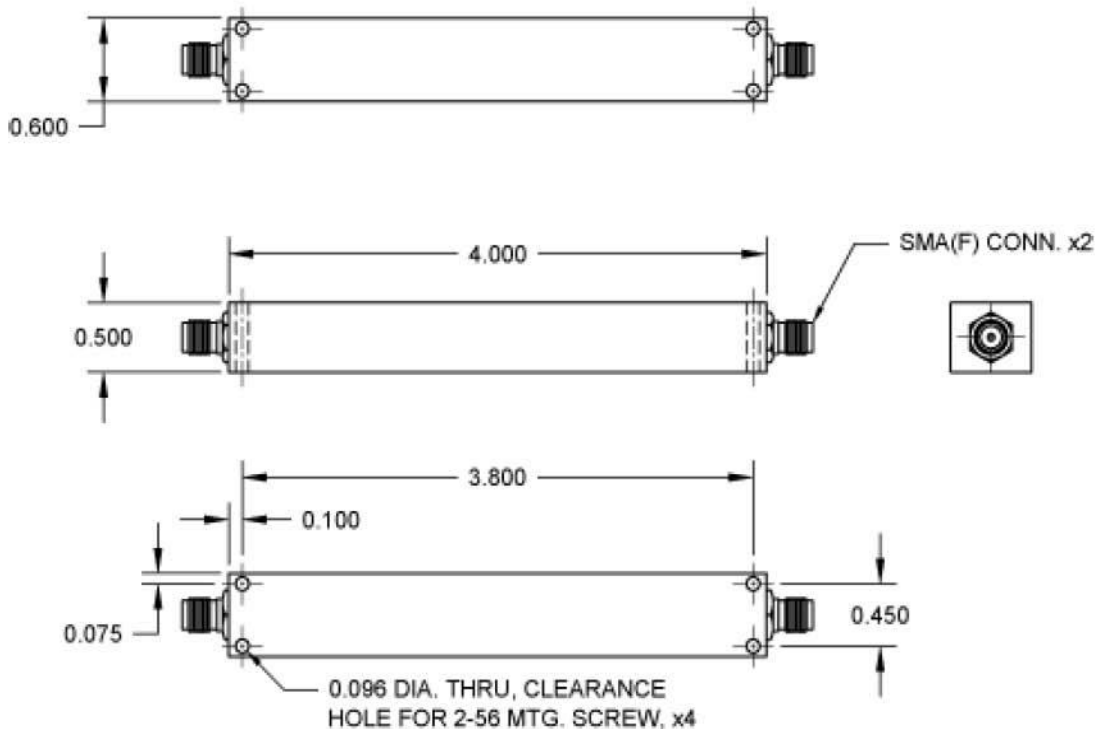
Mechanical

Mounting Method: SMA (F)
Dimensions: 4 x 0.6 x 0.6 Inches

Environmental

Operating Temperature: -40 to +85° C
Storage Temperature: -55 to +95° C

Outline Drawing:



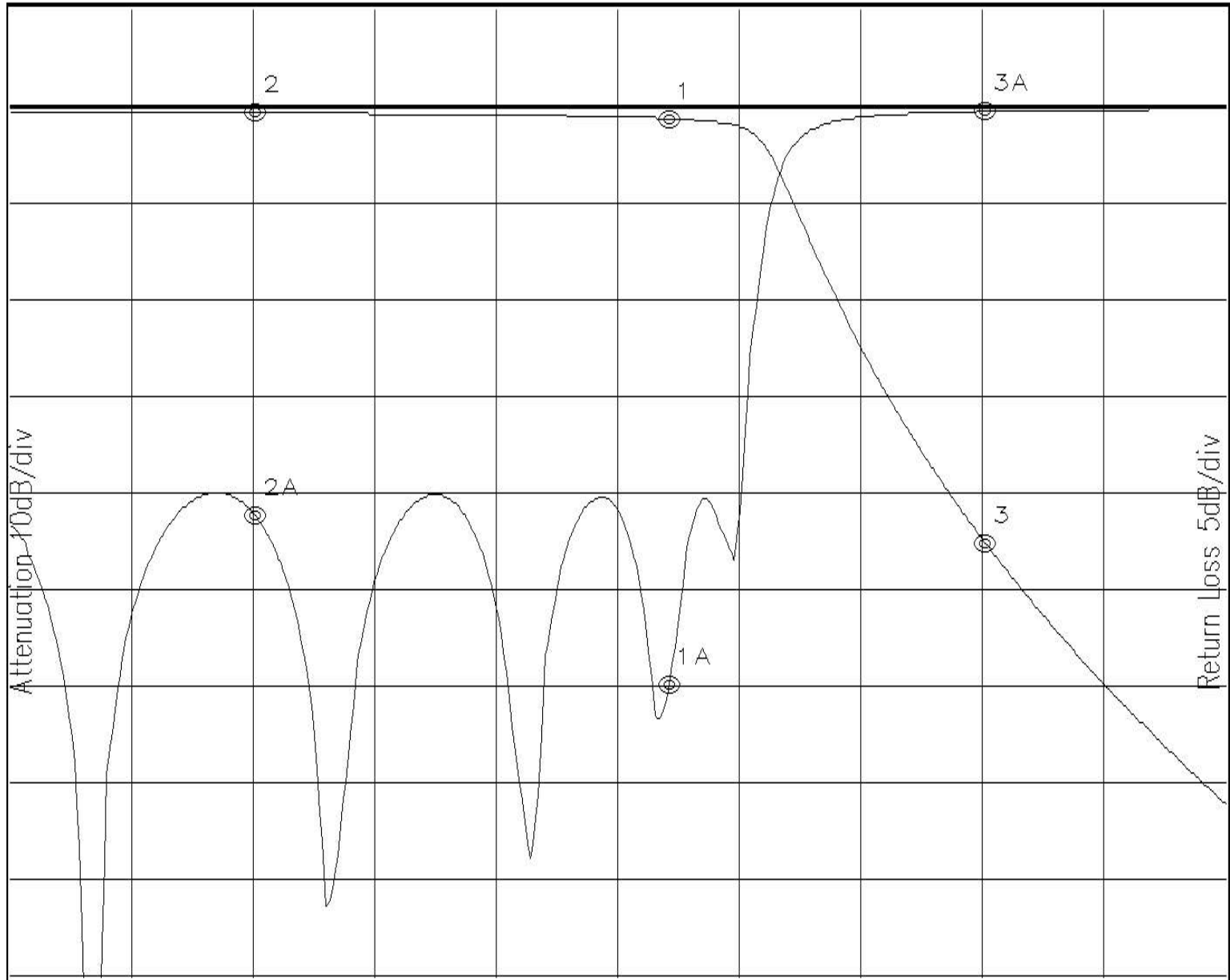


Response Plot

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Attenuation/Return Loss



Attenuation Start: 20.0MHz Stop: 70.0MHz

Return Loss Start: 20.0MHz Stop: 70.0MHz

Marker 1 Freq 47.060MHz Atten -1.251dB
 Marker 2 Freq 30.016MHz Atten -0.726dB
 Marker 3 Freq 60.065MHz Atten -45.383dB

Marker 1A Freq 47.060MHz Ret Loss -30.093dB
 Marker 2A Freq 30.016MHz Ret Loss -21.312dB
 Marker 3A Freq 60.065MHz Ret Loss -0.262dB