



# 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

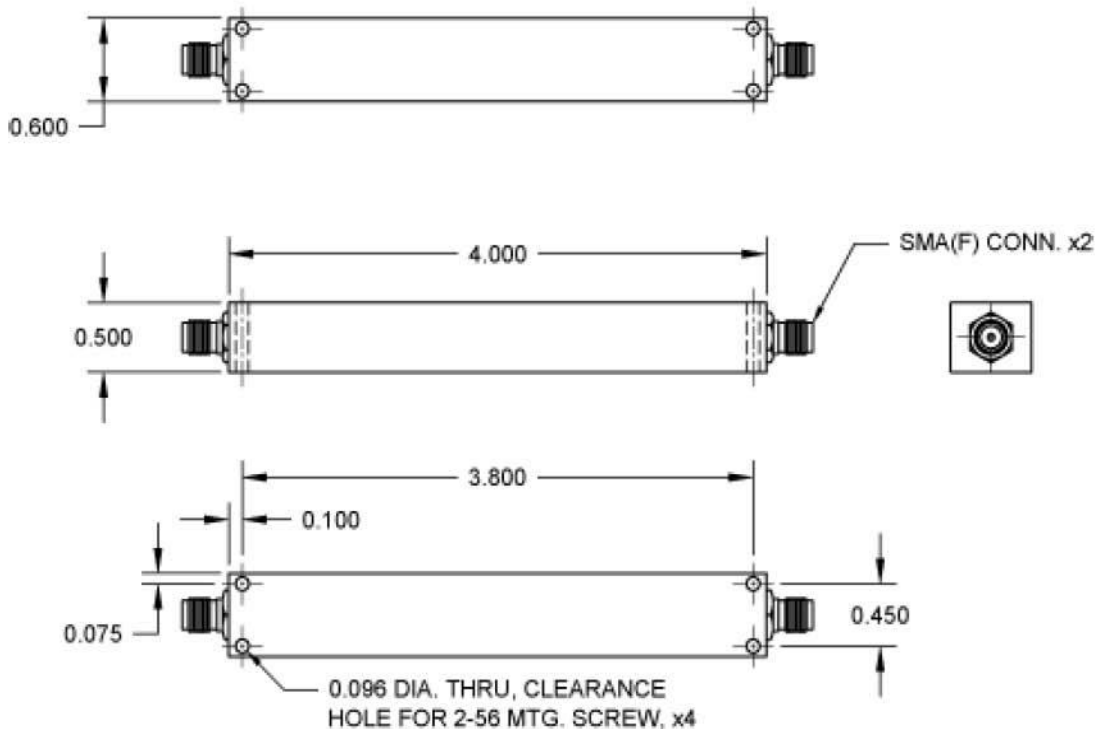
## Mechanical

**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:



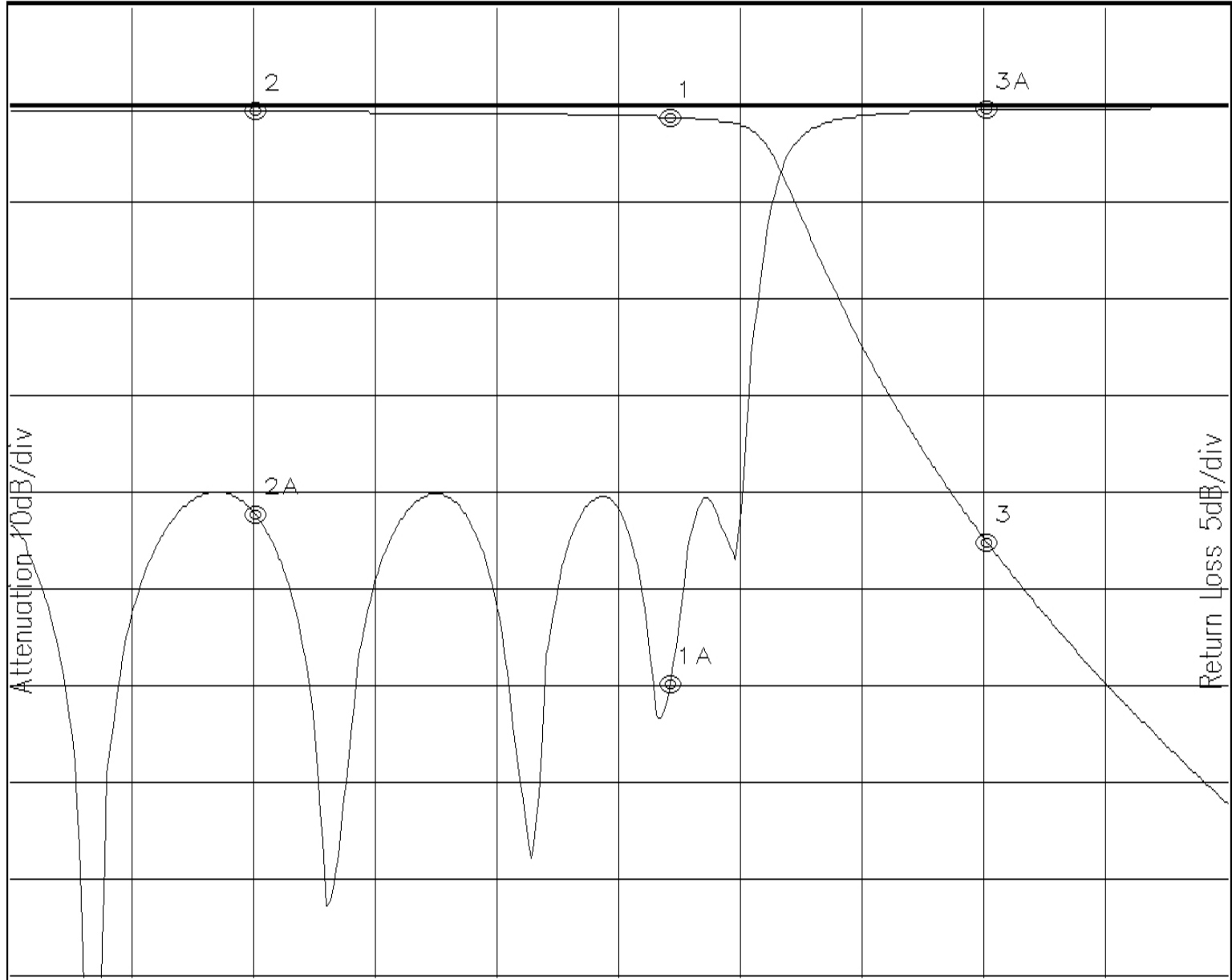


**Response Plot**

A142.lad

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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