



# 18-30 MHz LC Lowpass Filter

**Part Number: AE30L9097**



## Electrical specifications

**Cutoff Frequency (FC):** 24 MHz

**Passband:** 18-30 MHz

**Insertion loss over Passband:** 3 dB Min

**Return loss Over Passband:** 15 dB Max

**Rejection @ 36 MHz:** 40 dB Max

## Mechanical

**Mounting Method:** Thru Holes

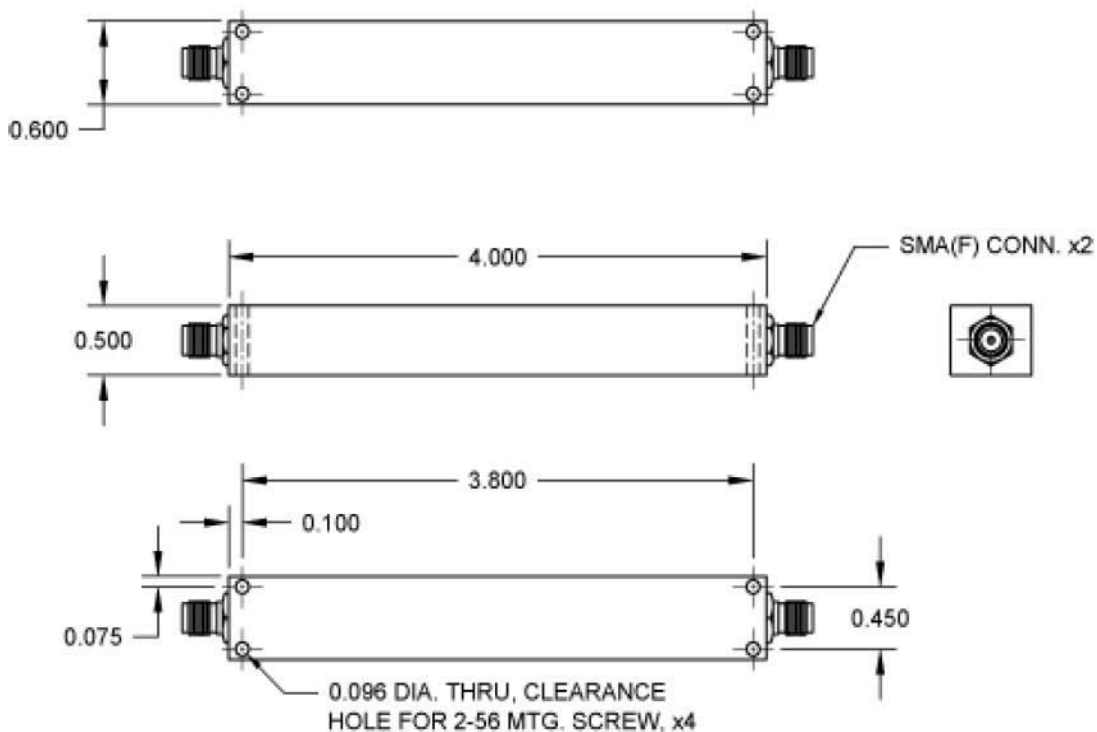
**Dimensions:** 4 x 0.6 x 0.6 Inches

## Environmental

**Operating Temperature:** -40 to +85° C

**Storage Temperature:** -55 to +95° C

## Outline Drawing:



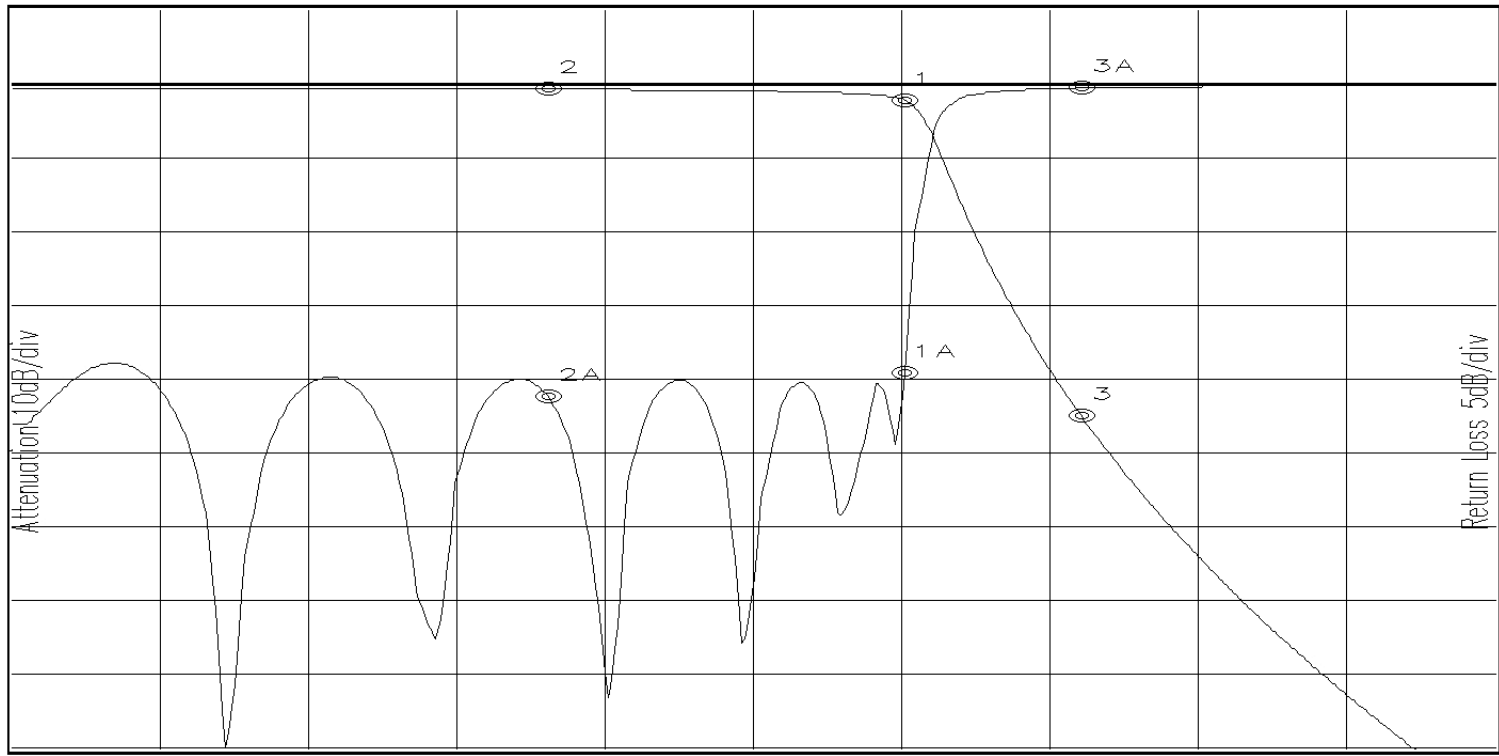


### Response Plot

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Attenuation/Return Loss



Attenuation Start: 0.005Hz Stop: 50.0MHz

Return Loss Start: 0.005Hz Stop: 50.0MHz

Marker 1 Freq 30.048MHz Atten -2.175dB  
 Marker 2 Freq 18.013MHz Atten -0.726dB  
 Marker 3 Freq 36.026MHz Atten -45.310dB

Marker 1A Freq 30.048MHz Ret Loss -19.633dB  
 Marker 2A Freq 18.013MHz Ret Loss -21.324dB  
 Marker 3A Freq 36.026MHz Ret Loss -0.262dB