



**Electrical Specifications**

**Center Frequency:** 60 MHz  
**Passband:** 1 dB BW @ 58-62 MHz  
**Insertion Loss:** 5.5 dB Max @ 60 MHz  
**Passband Ripple:** ±0.5 dB @ 58-62 MHz  
**VSWR:** 1.25:1 @ Typ.  
**Stopbands:** >40 dB @ 1-49.9 MHz  
                   >60 dB @ 49.5-50 MHz  
                   >40 dB @ 70-200 MHz  
**Phase Linearity:** ±2° Max @ 58-62 MHz

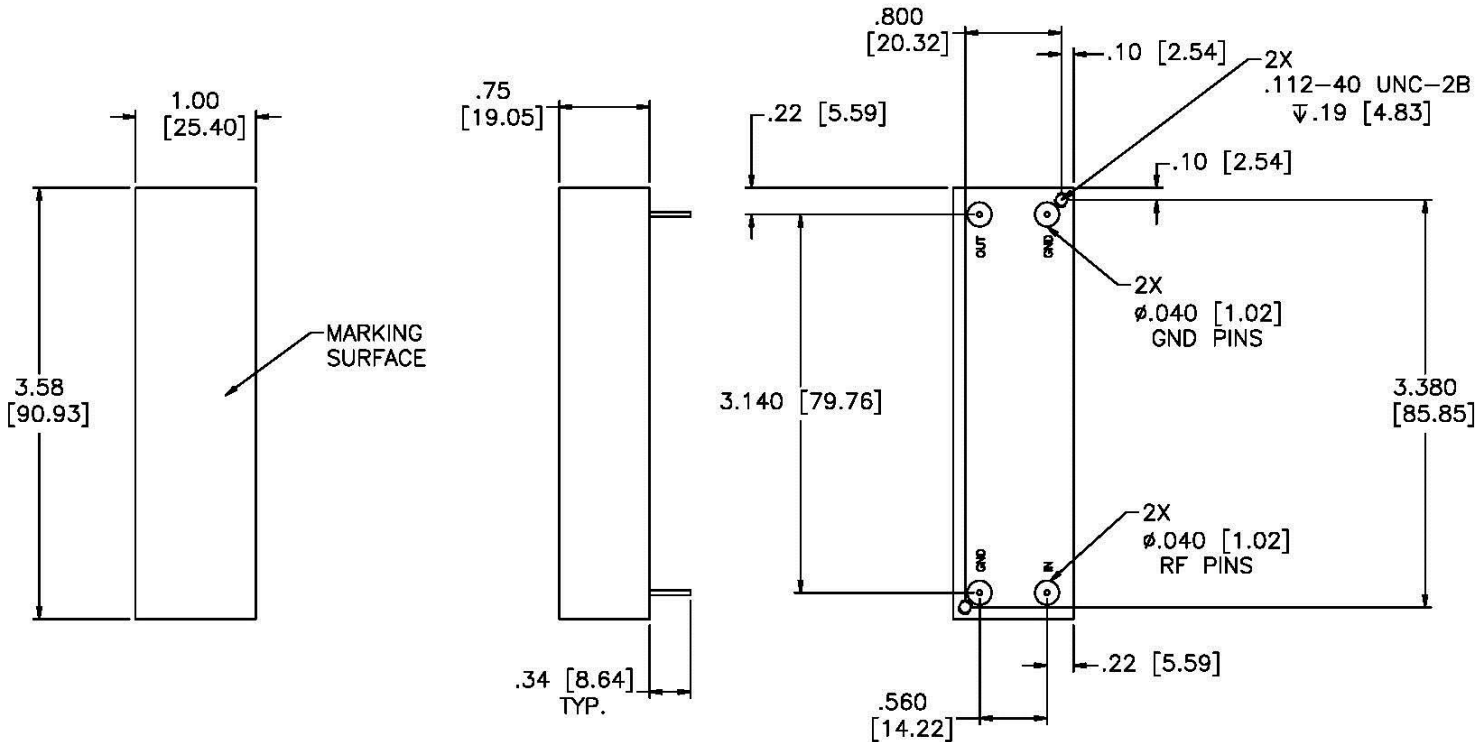
**Mechanical**

**Mounting Method:** SMT  
**Dimensions:** 3.58 x 1.00 x 0.75 Inches

**Environmental**

**Operating Temperature:** -25 to +85° C  
**Storage Temperature:** -40 to +95° C

**Outline Drawing:**





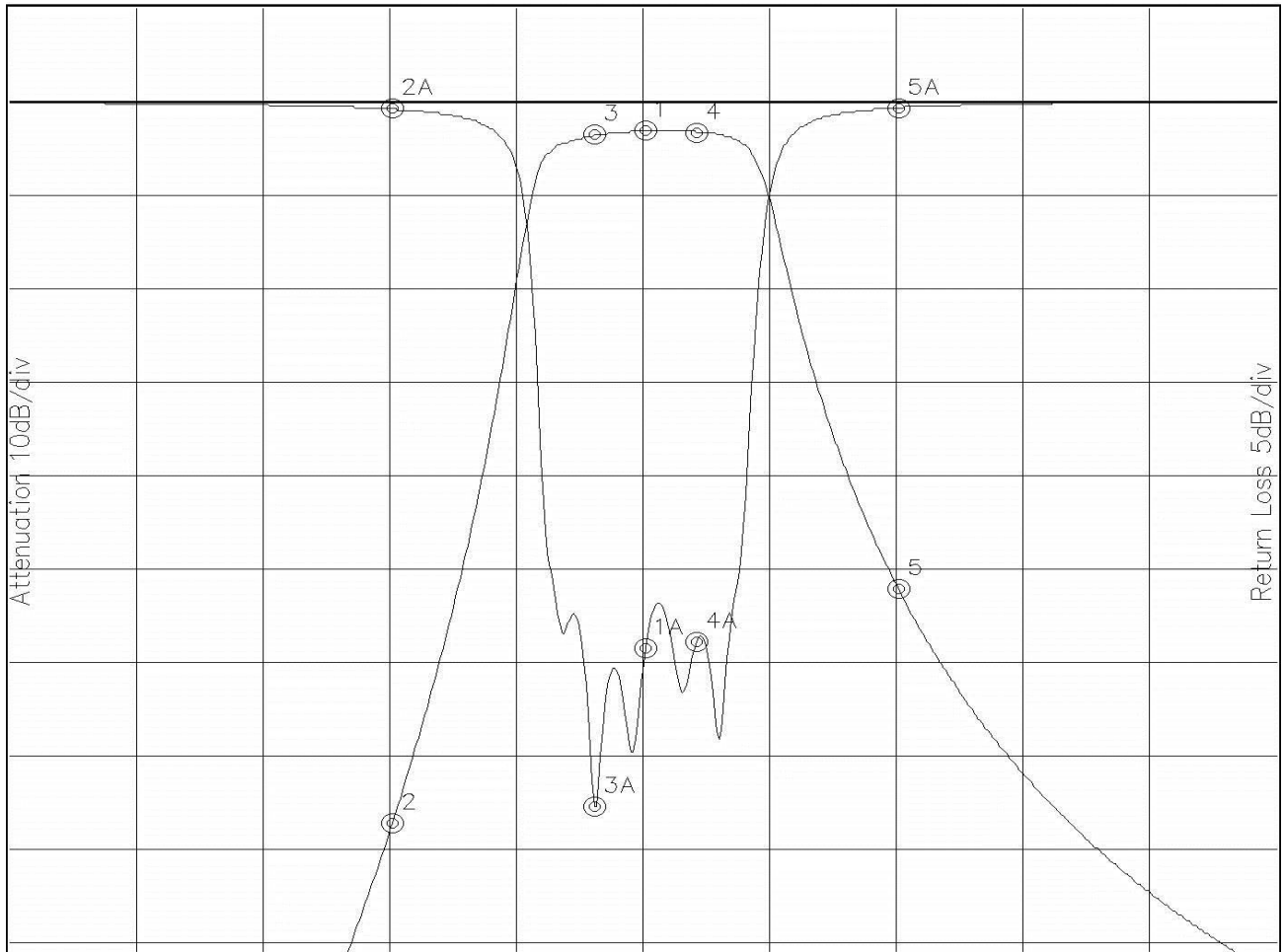
# 60 MHz LC Band Pass Filter

**Part Number: AE60B11170**



## Response Plot:

Attenuation/Return Loss



Attenuation Start: 35.0MHz Stop: 85.0MHz

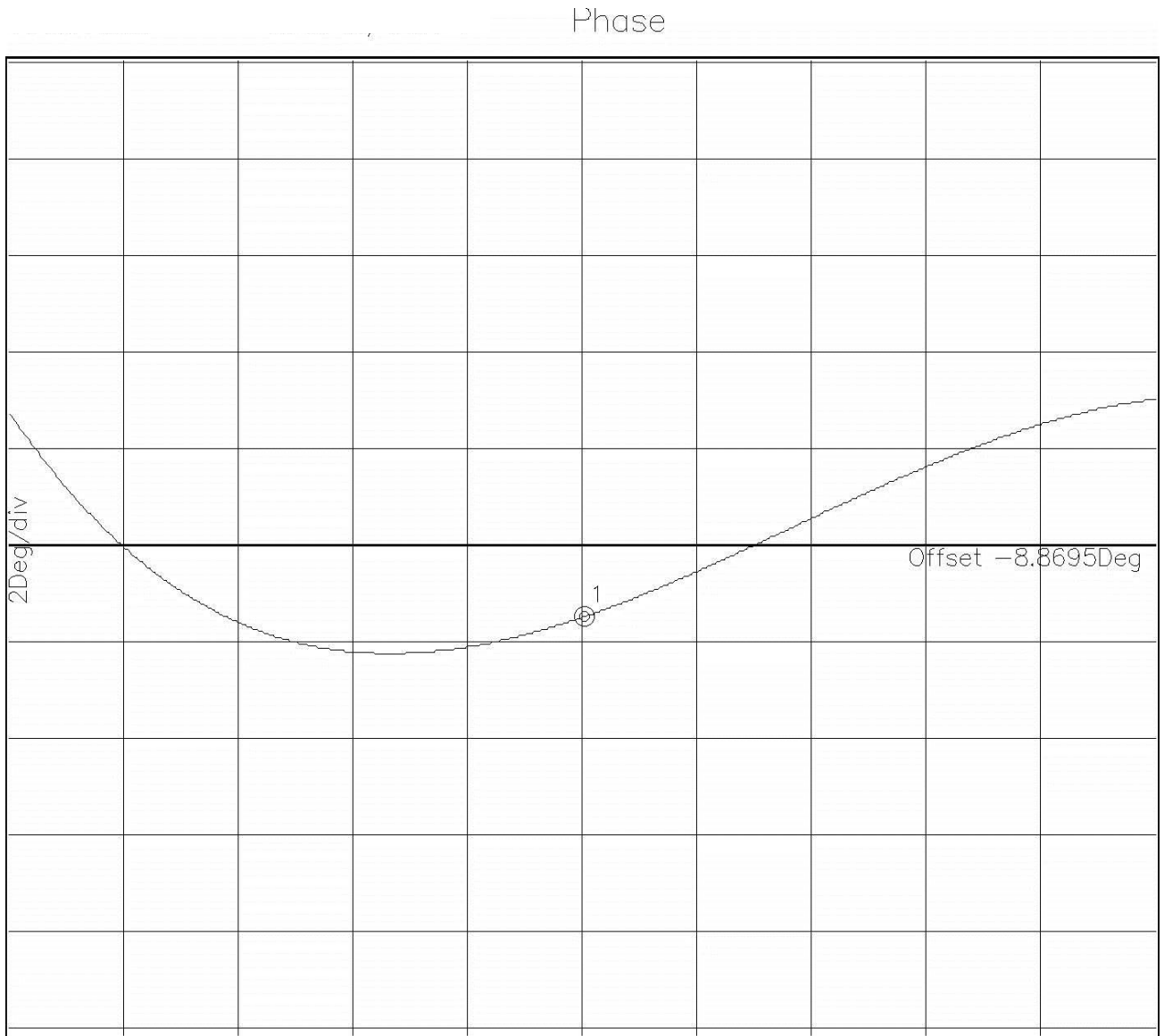
Return Loss Start: 35.0MHz Stop: 85.0MHz

Marker 1 Freq 60.040MHz Atten -3.077dB  
 Marker 2 Freq 50.024MHz Atten -77.025dB  
 Marker 3 Freq 58.021MHz Atten -3.557dB  
 Marker 4 Freq 62.060MHz Atten -3.155dB  
 Marker 5 Freq 70.057MHz Atten -52.047dB

Marker 1A Freq 60.040MHz Ret Loss -29.179dB  
 Marker 2A Freq 50.024MHz Ret Loss -0.363dB  
 Marker 3A Freq 58.021MHz Ret Loss -37.573dB  
 Marker 4A Freq 62.060MHz Ret Loss -28.773dB  
 Marker 5A Freq 70.057MHz Ret Loss -0.287dB



### Response Plot:



Phase Start: 58.0MHz Stop: 62.0MHz

Marker 1 Freq 60.003MHz Phase -1.481Deg