



Electrical Specifications

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

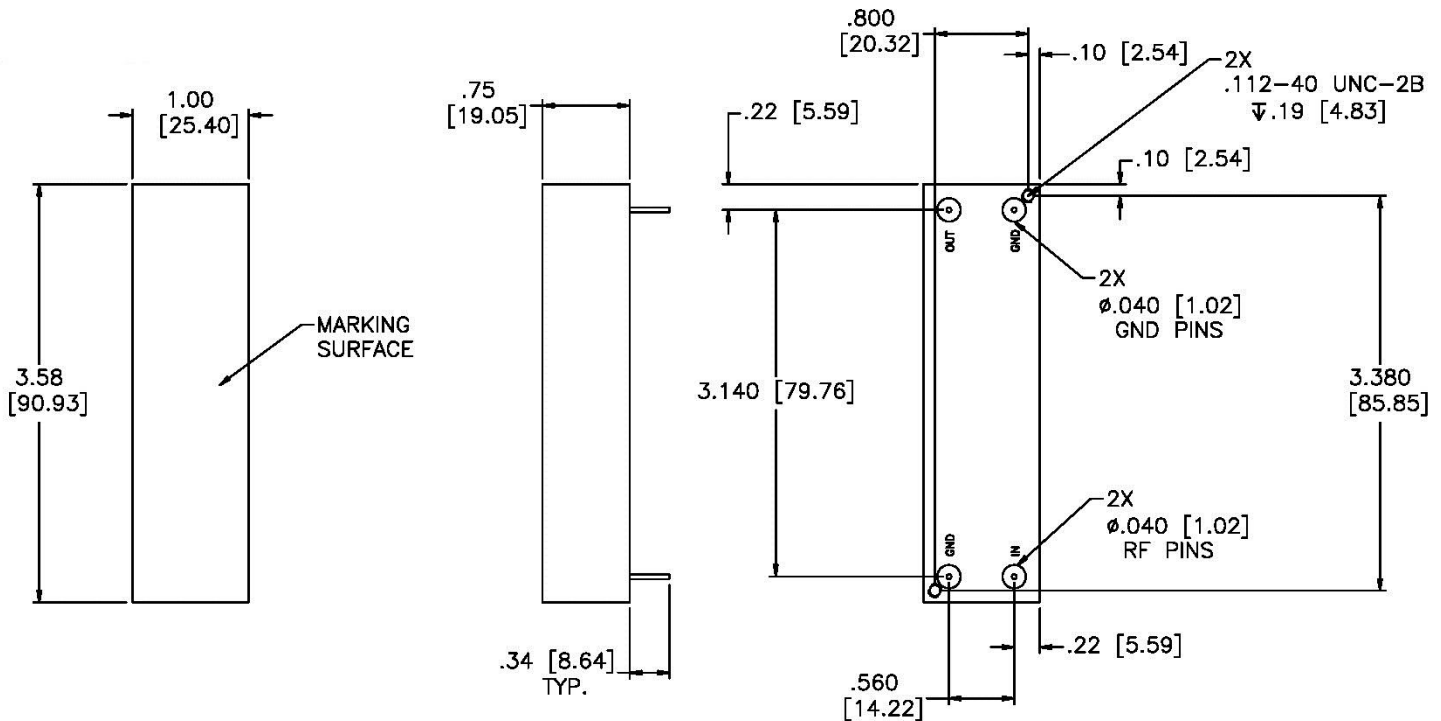
Mechanical

Connector Type: RF Pins
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: AE60B11176

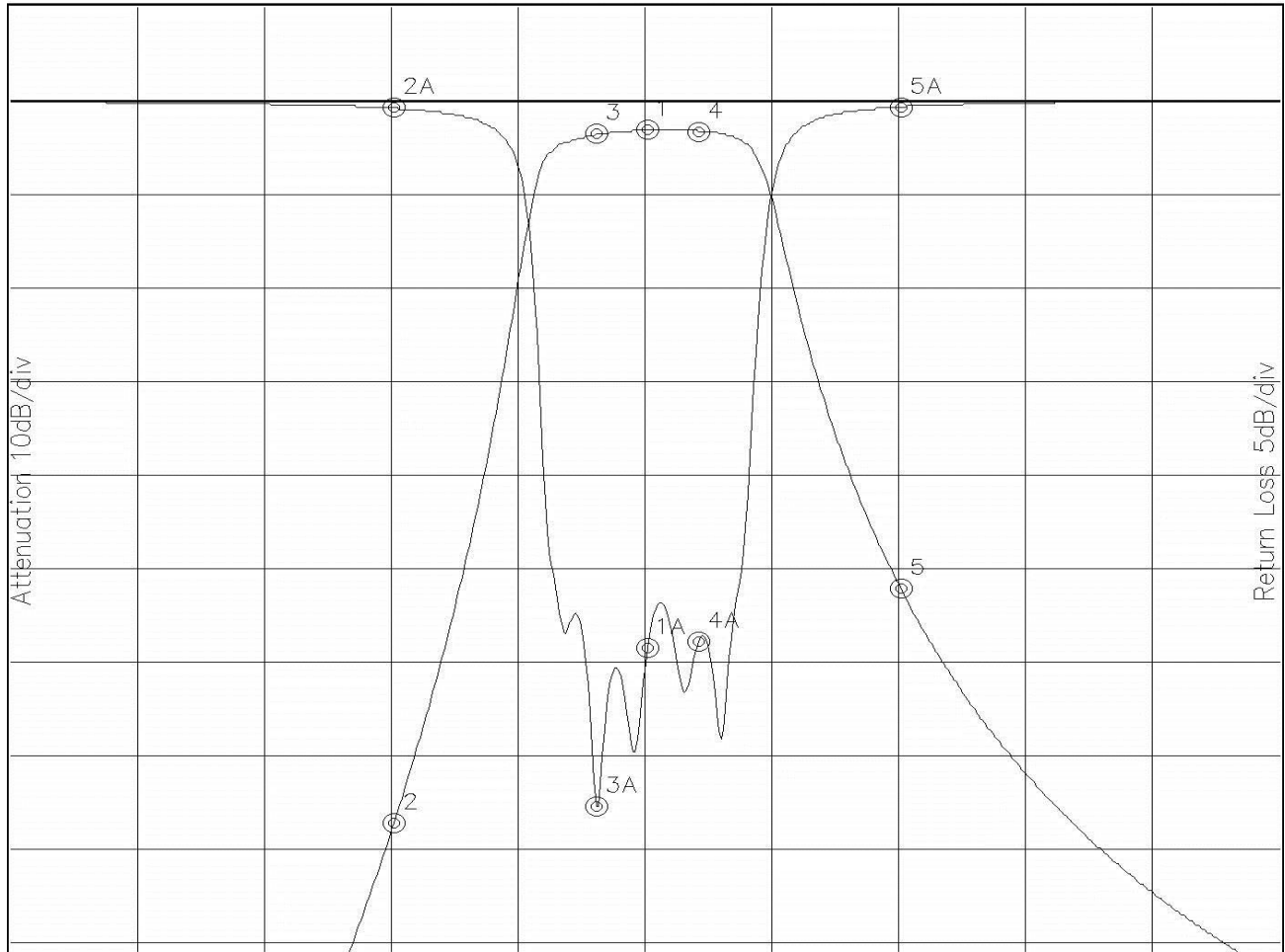


Response Plot:

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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

Note: This is a simulation plot. Actual results may differ once the product is implemented.

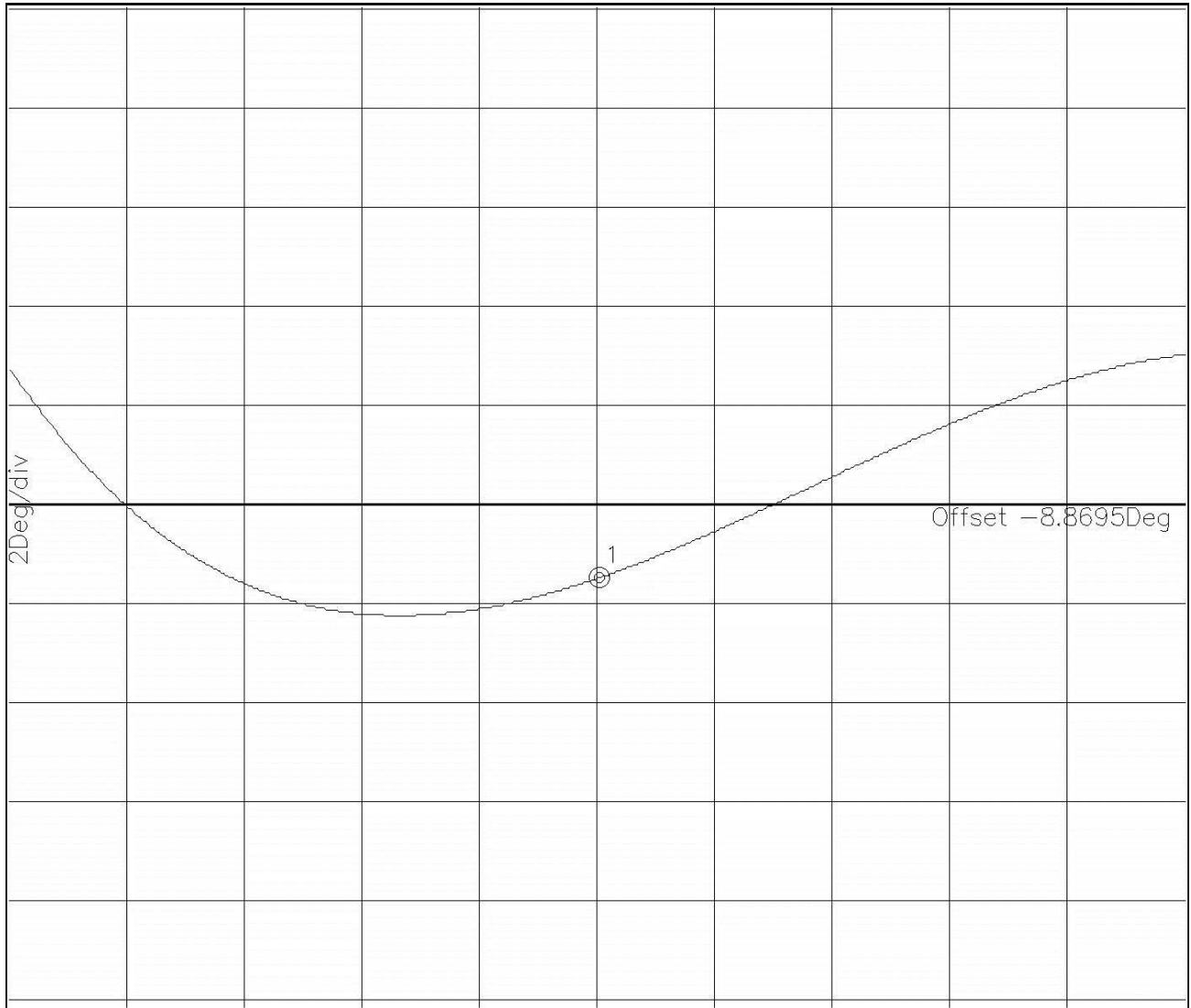


Phase Linearity:

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Phase



Phase Start: 58.0MHz Stop: 62.0MHz

Marker 1 Freq 60.003MHz Phase -1.481Deg

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