ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

60 MHz LC Band Pass Filter

Part Number: AE60B11176

ISO 9001 REGISTERED FIRM

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

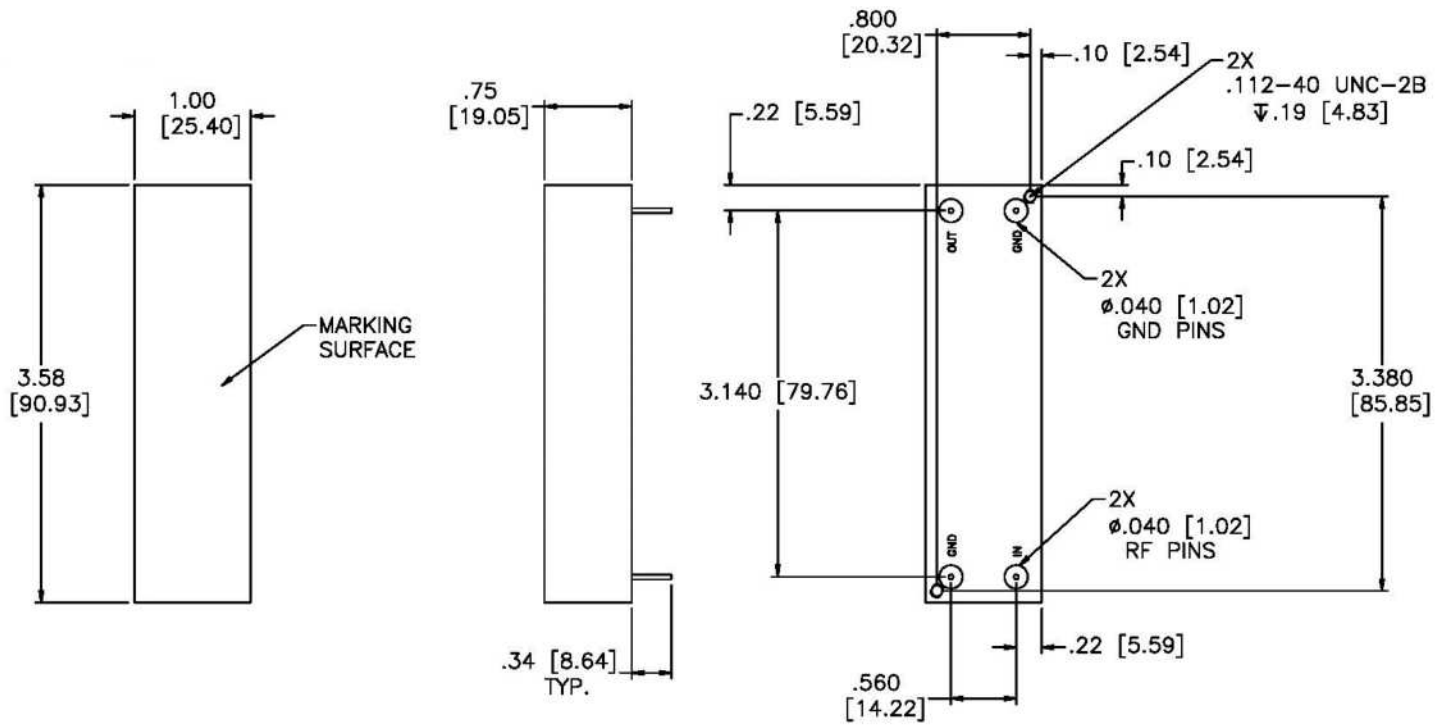
Mechanical

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:



70 Outwater Lane Phone: (973) 772-4242
Garfield, NJ 07026 Fax : (973) 772-4646
Email: sales@anatechelectronics.com
Web: www.anatechelectronics.com

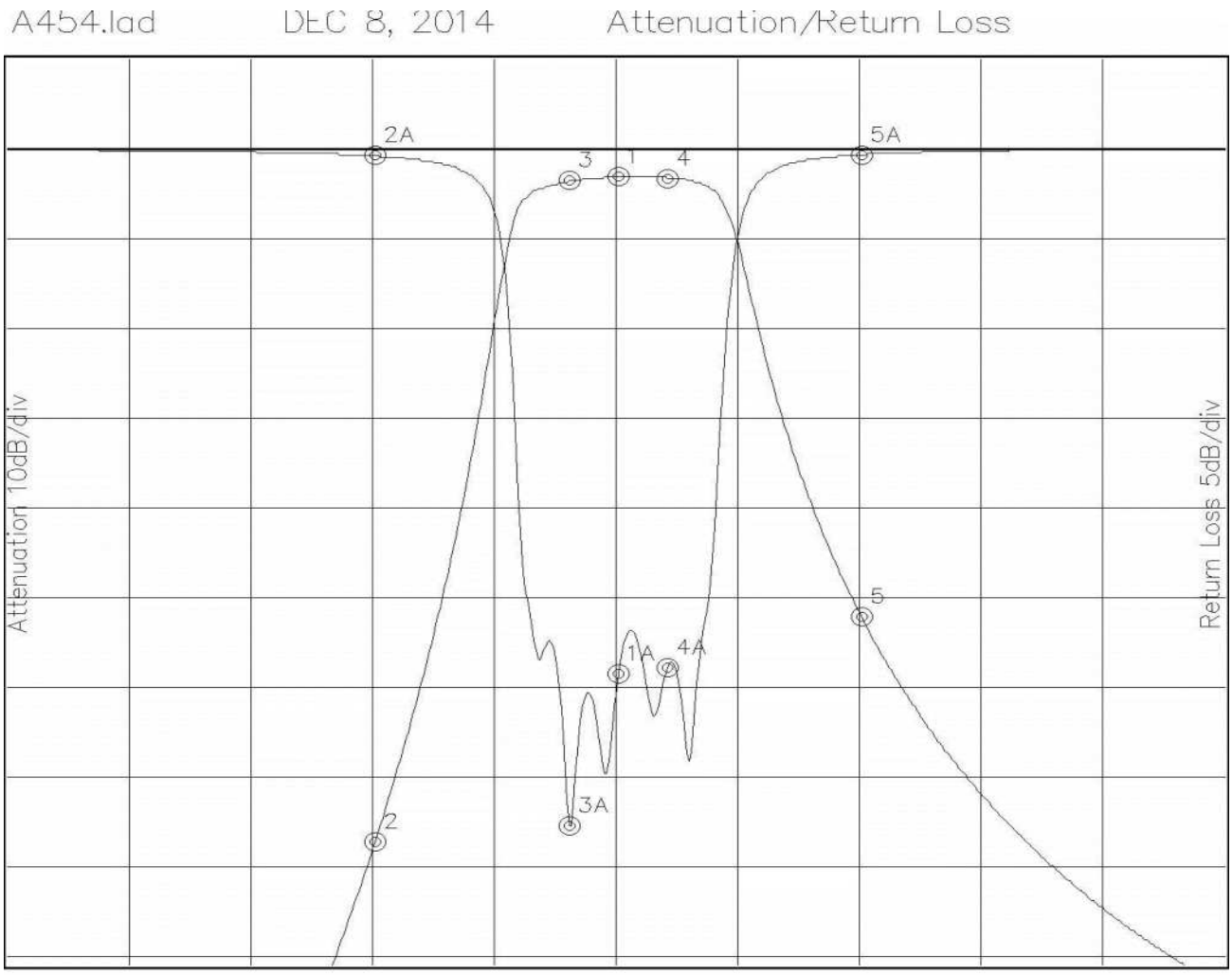
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Response Plot:



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

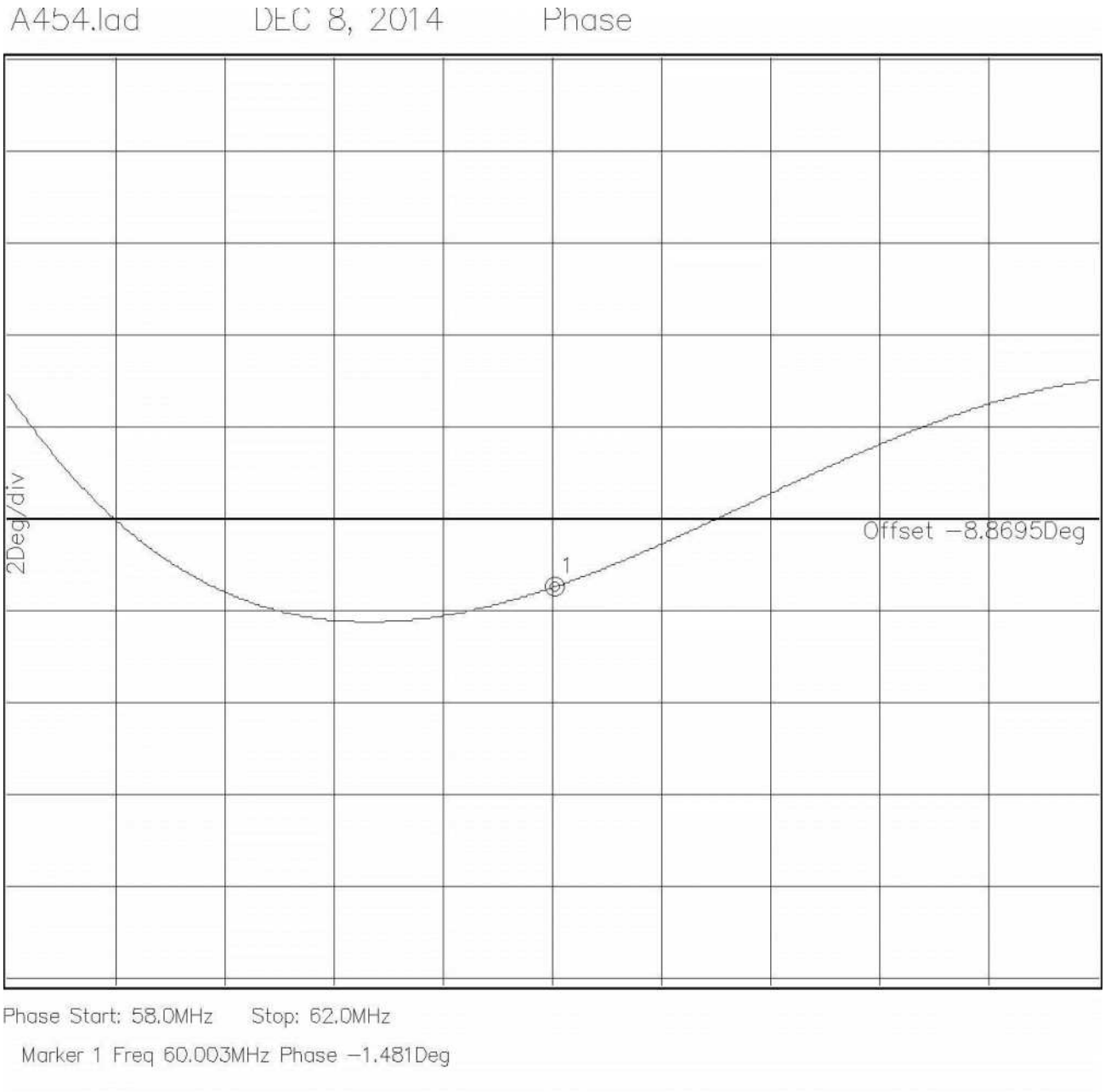
Note: This is a simulation plot. Actual results may differ once the product is implemented.

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Phase Linearity:



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