ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

560 MHz Bandpass Filter

Part Number: AE560B11167

ISO 9001 REGISTERED FIRM

Electrical Specifications

Center Frequency: 560 MHz
0.5 dB Bandwidth: 4 MHz
3 dB Bandwidth: 8 MHz
Passband: 556-564 MHz
Insertion Loss @ Fo: 9.5 dB Max
Ripple: ±0.25 dB @ 558-562 MHz
VSWR: 1.5:1 Max
Phase Linearity: 1.5° Max @ 556-564 MHz
1° Max @ 558-562 MHz
Rejection: >10 dB @ 545 & 580 MHz
>20 dB @ 540 & 590 MHz
>30 dB @ 530 & 600 MHz
>40 dB @ 520 & 625 MHz
>60 dB @ 500 & 650 MHz
Average Power: 1 Watt

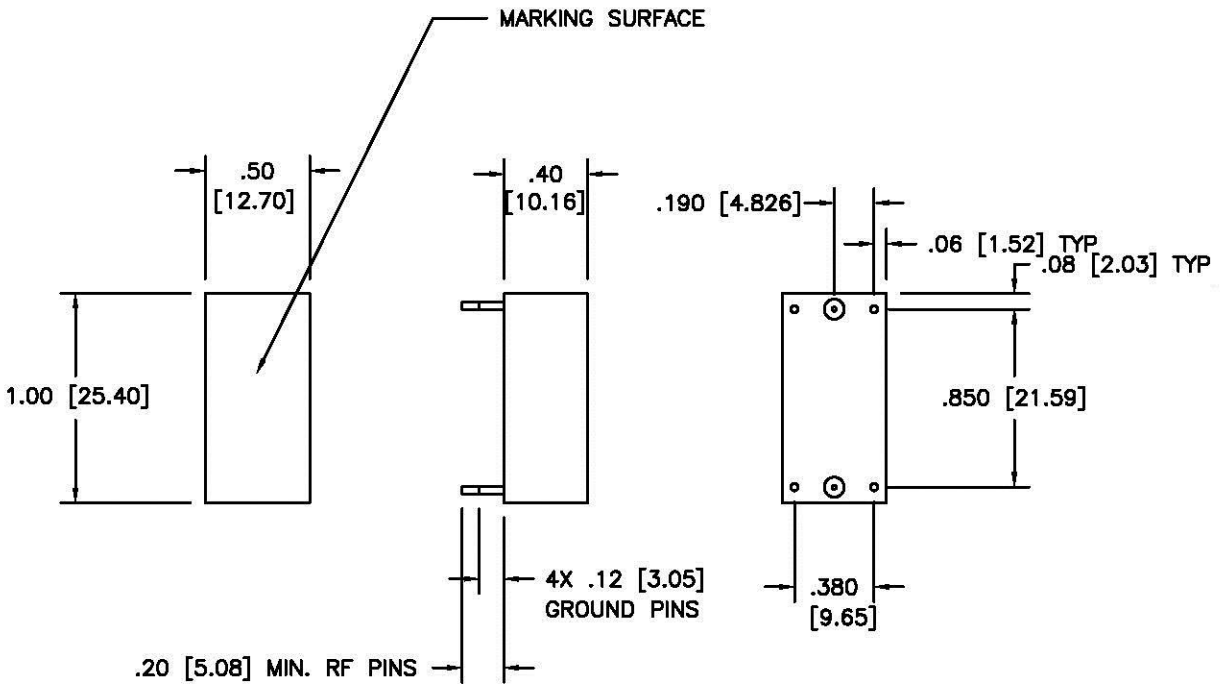
Mechanical

Mounting Method: SMT
Dimensions: 1.00 x 0.5 x 0.4 Inches

Environmental

Operating Temperature: -55 to +85º C
Shock: 20 G's
Vibration: 10 G's
Humidity: 95% Relative

Outline Drawing:



70 Outwater Lane Phone: (973) 772-4242
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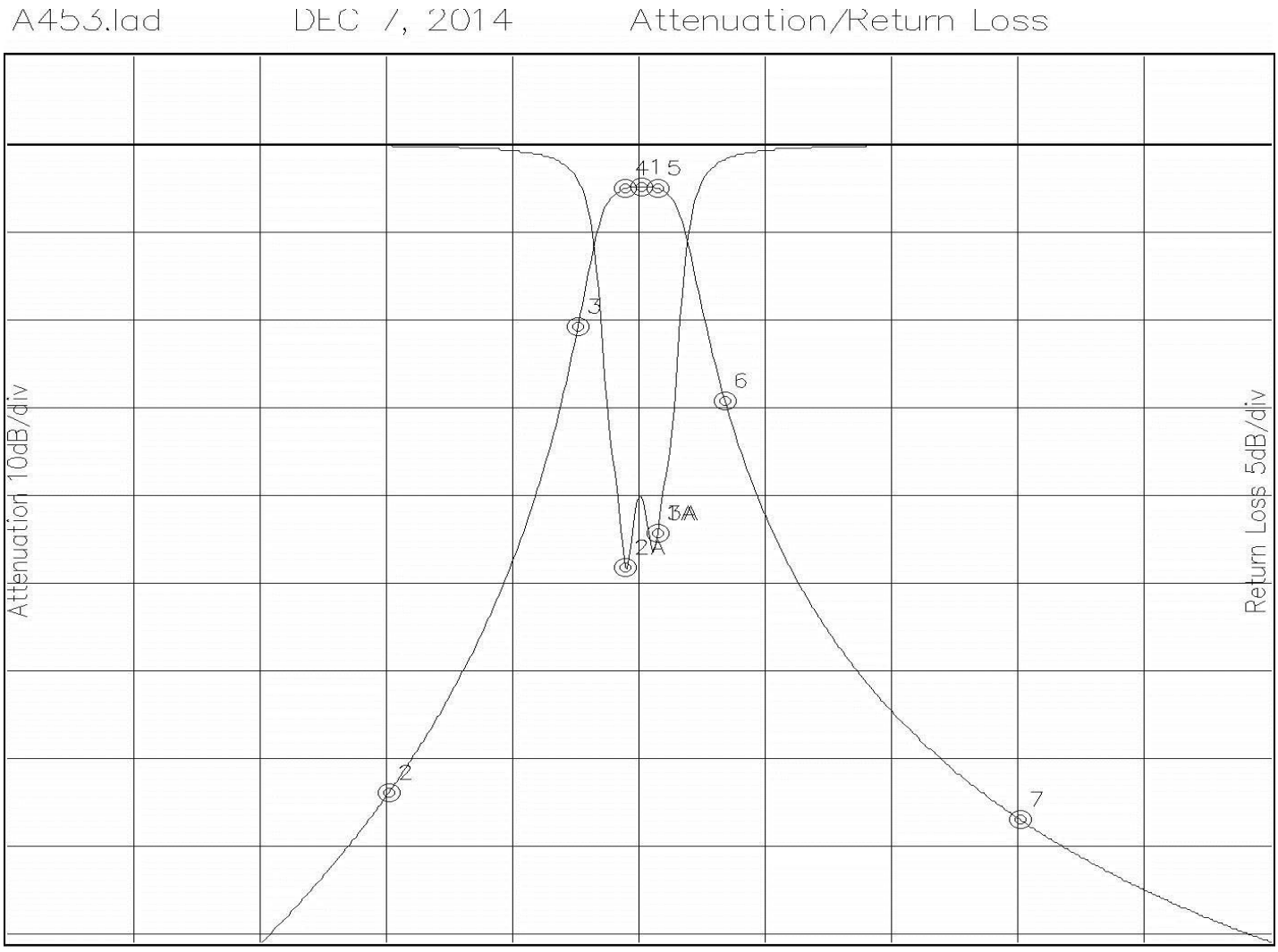
Response Plot:



Attenuation Start: 410.0MHz Stop: 710.0MHz Return Loss Start: 410.0MHz Stop: 710.0MHz

Marker 1 Freq 560.24MHz Atten −4.718dB
Marker 2 Freq 500.14MHz Atten −73.680dB
Marker 3 Freq 545.21MHz Atten −20.599dB
Marker 4 Freq 556.36MHz Atten −5.016dB
Marker 5 Freq 564.12MHz Atten −4.970dB
Marker 6 Freq 580.11MHz Atten −29.058dB
Marker 7 Freq 650.38MHz Atten −76.753dB

Marker 1A Freq 564.12MHz Ret Loss −22.037dB
Marker 2A Freq 556.36MHz Ret Loss −23.977dB
Marker 3A Freq 564.12MHz Ret Loss −22.037dB

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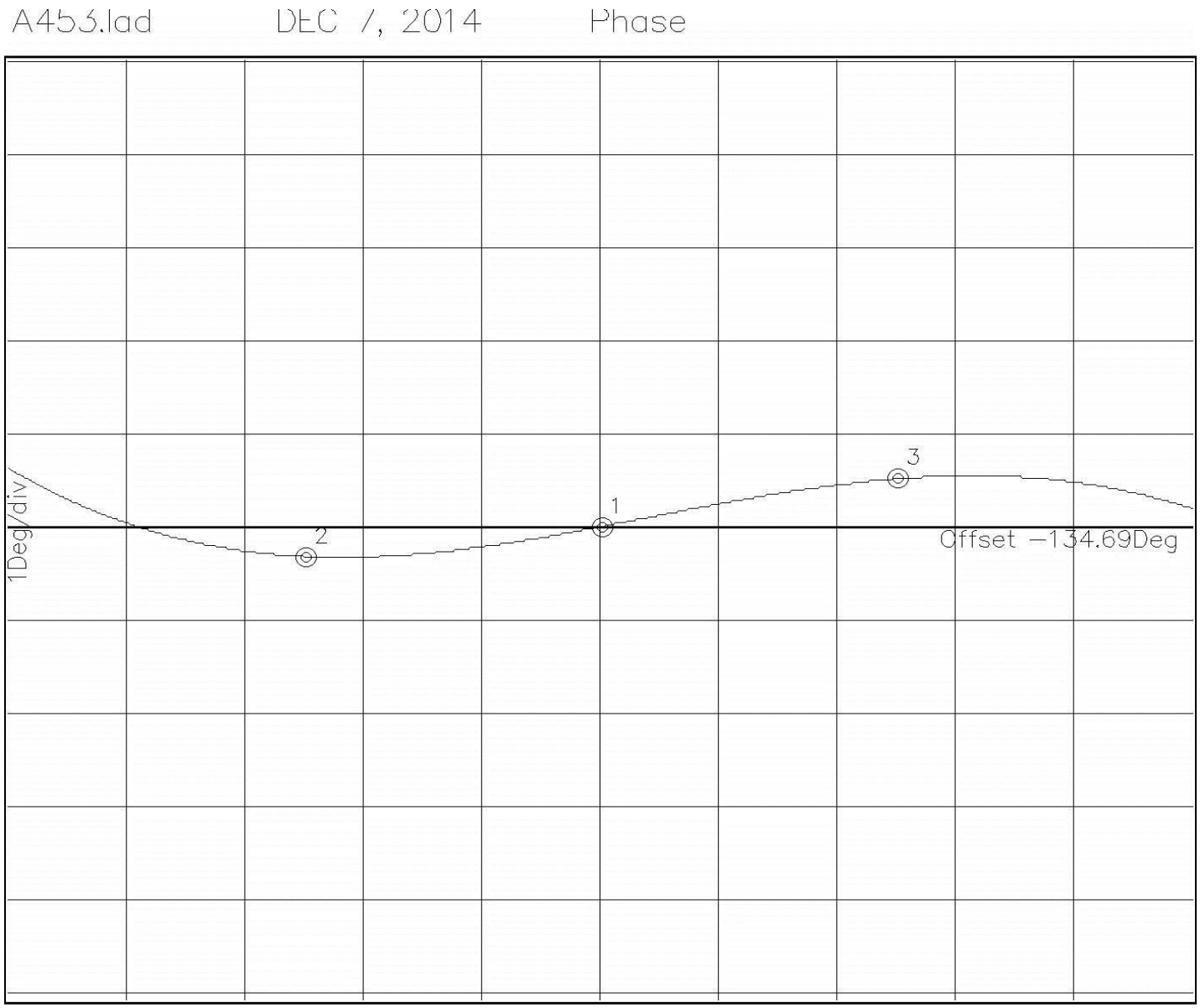
Phase Linearity:



Phase Start: 556.0MHz Stop: 564.0MHz

Marker 1 Freq 560.00MHz Phase 0.006Deg

Marker 2 Freq 558.00MHz Phase −0.316Deg

Marker 3 Freq 562.01MHz Phase 0.517Deg

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