



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

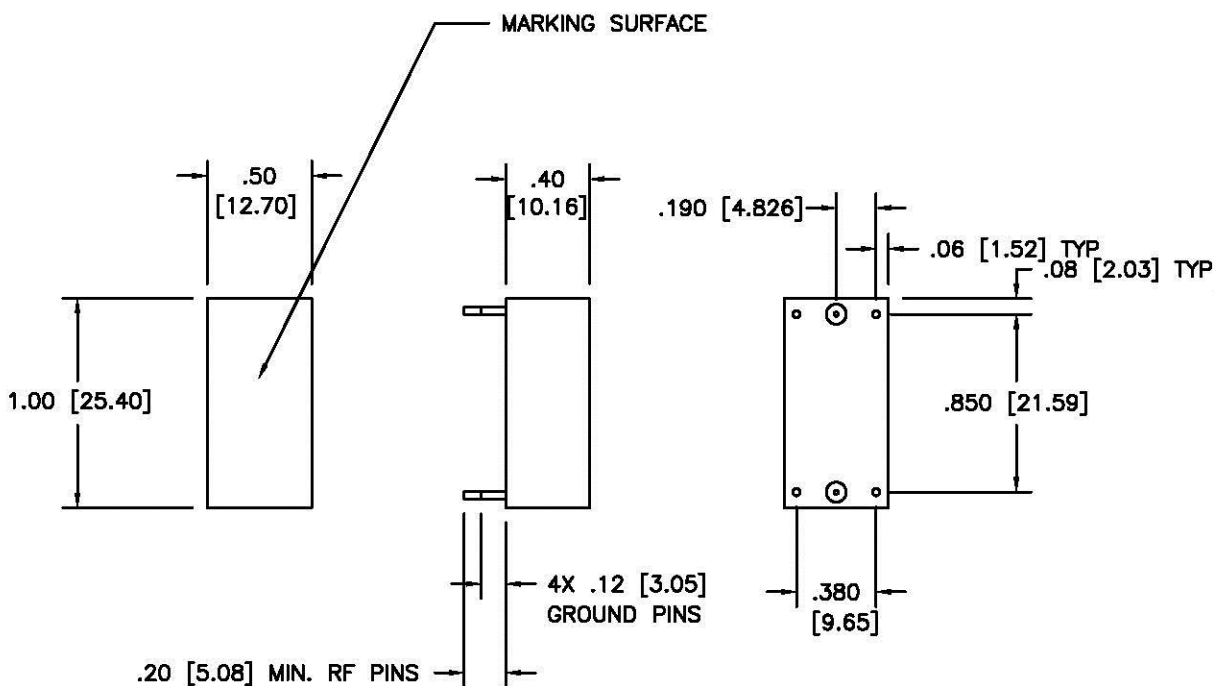
Mechanical

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

Environmental

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

Outline Drawing:





560 MHz Bandpass Filter

Part Number: AE560B11167

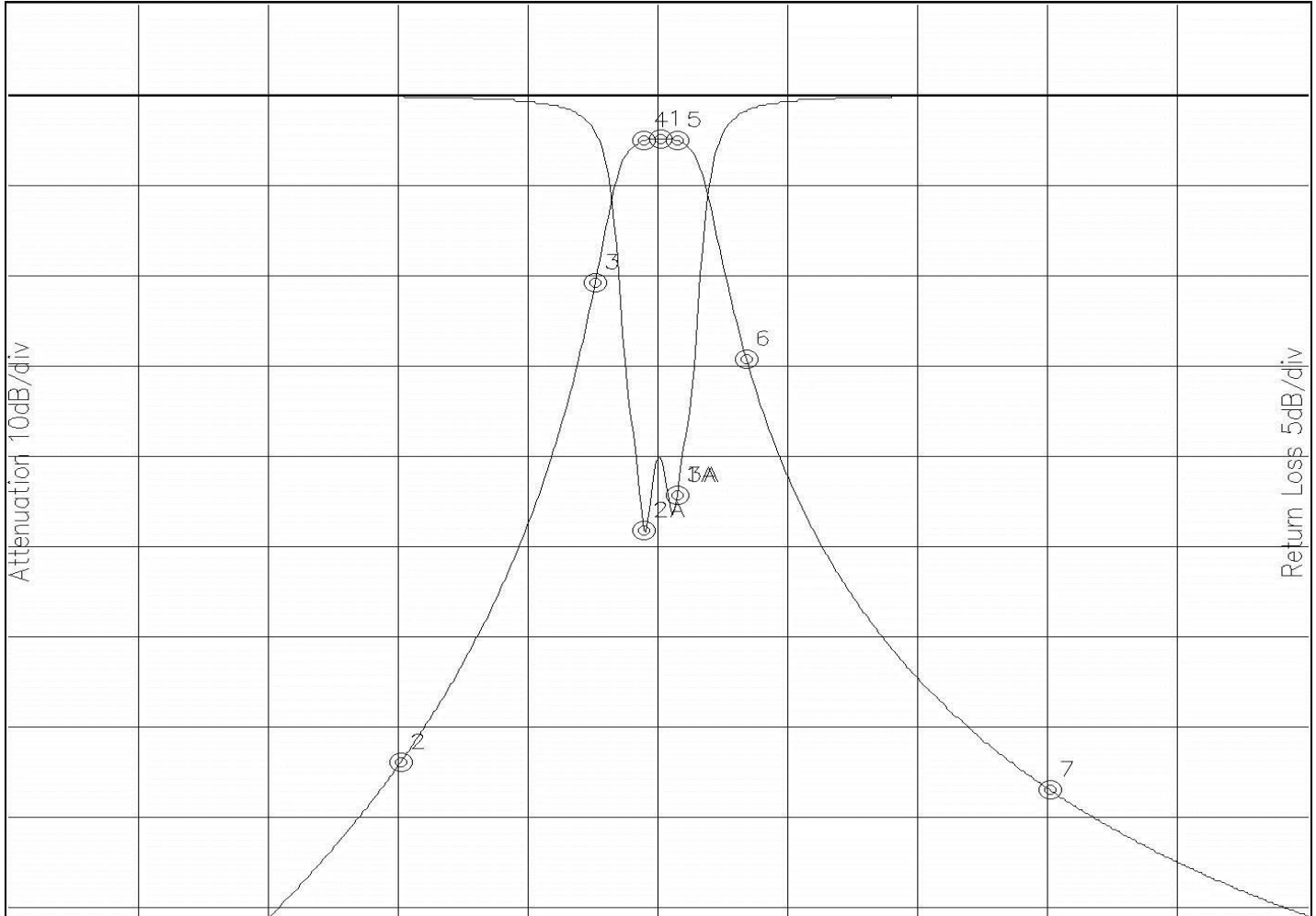


Response Plot:

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Attenuation/Return Loss



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

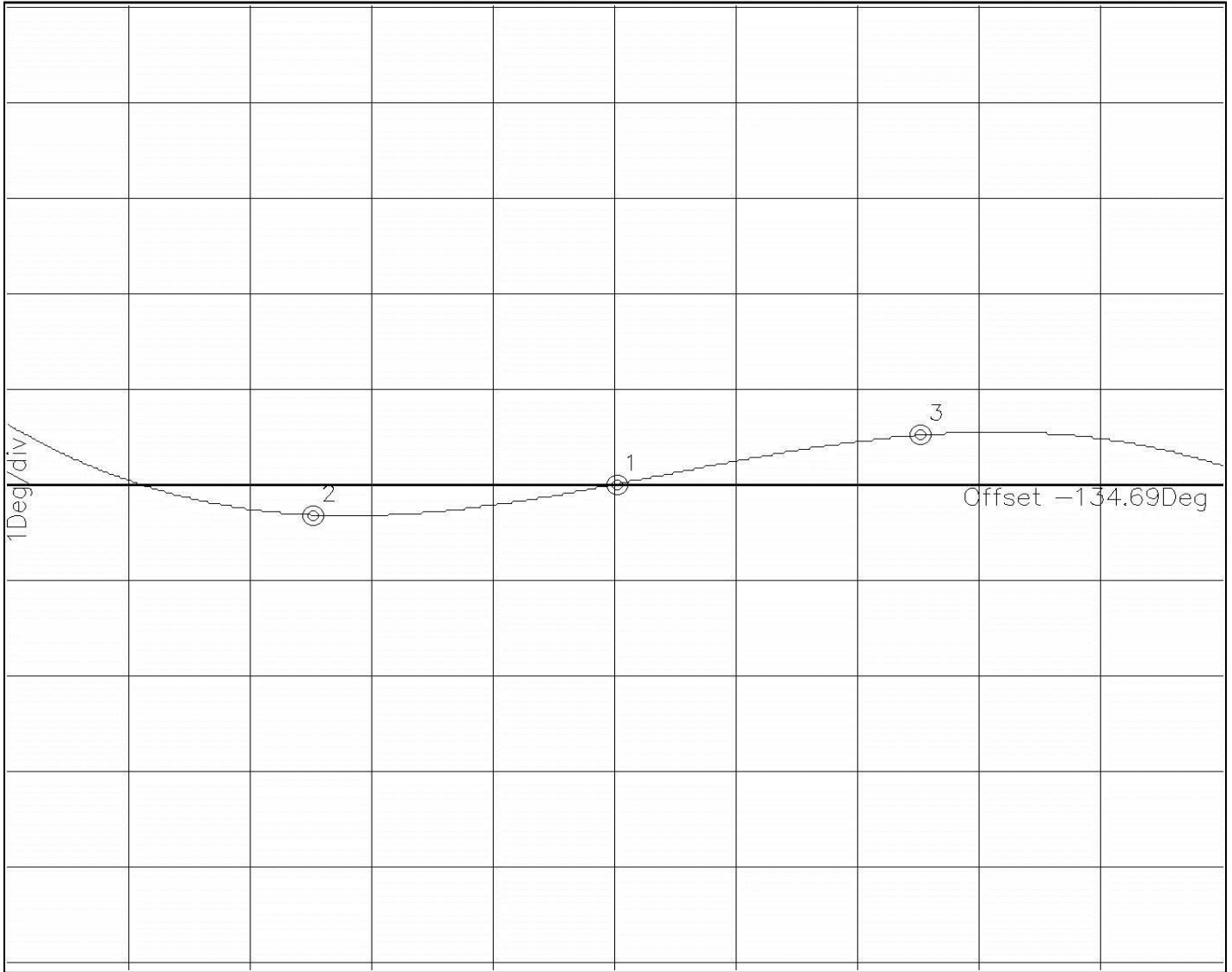


Phase Linearity:

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Phase



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