



### Electrical Specifications

**Pass Band:** 3 dB Nominal  
1 dB 66-74 MHz  
**Ripple:** 1 dB @ 66-74 MHz  
**Insertion Loss:** 3.8 dB at Fo  
**VSWR:** 1.50:1 @ 66-74 MHz  
**Stopbands:** 55 dB (60 dB goal) @ 59.5-60 MHz  
40 dB @ DC-59.5 MHz  
39 dB @ 80-210 MHz  
**Phase Linearity:**  $\pm 8^\circ$  ( $\pm 4^\circ$  goal) Max @ 66-74 MHz

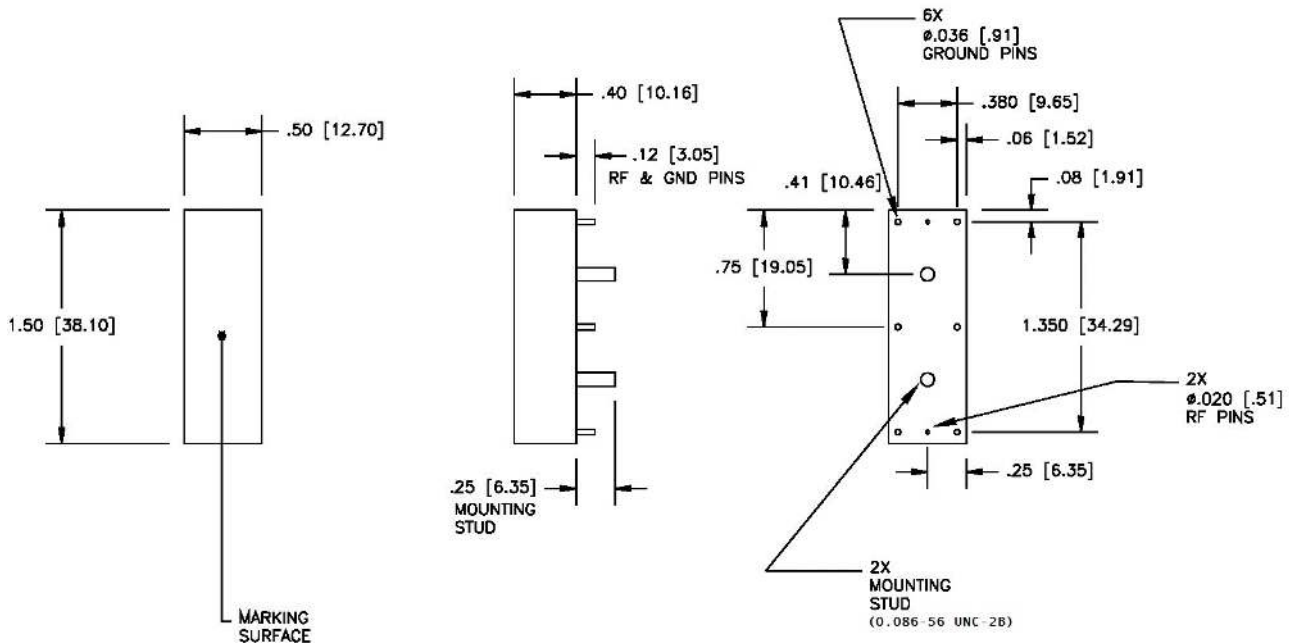
### Mechanical

**Connector Type:** RF Pins  
**Dimensions:** 1.50 x 0.50 x 0.40 Inches

### Environmental

**Operating Temperature:** -30 to +85° C  
**Storage Temperature:** -40 to +95° C  
**Shock:** 20 G. 11 ms  
**Vibration:** 20 G. 5 to 200 MHz

### Outline Drawing:



2 decimal places: +/-0.01 inches [+/- 0.3mm]  
3 decimal places: +/- 0.005 inches [+/- 0.13mm]  
Angles: +/- 1 Deg.

When max dimensions are called out the above tolerances do not apply as long as it is under the max call out.

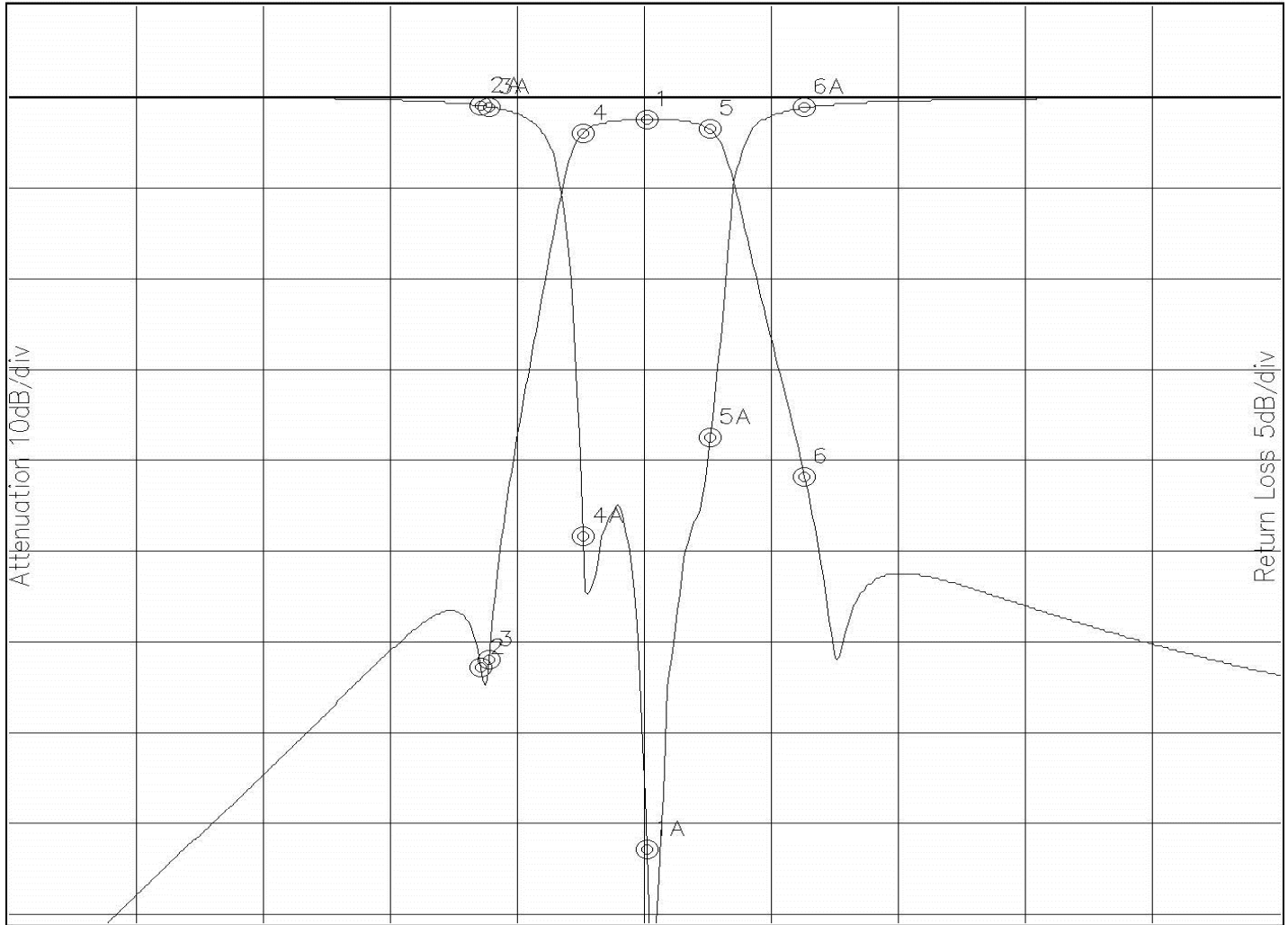


### Response Plot:

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Attenuation/Return Loss



Attenuation Start: 30.0MHz Stop: 110.0MHz

Return Loss Start: 30.0MHz Stop: 110.0MHz

Marker 1 Freq 70.065MHz Atten -2.346dB
Marker 2 Freq 59.596MHz Atten -62.615dB
Marker 3 Freq 60.113MHz Atten -61.804dB
Marker 4 Freq 66.058MHz Atten -3.839dB
Marker 5 Freq 74.071MHz Atten -3.549dB
Marker 6 Freq 80.016MHz Atten -41.698dB

Marker 1A Freq 70.065MHz Ret Loss -41.299dB
Marker 2A Freq 59.596MHz Ret Loss -0.446dB
Marker 3A Freq 60.113MHz Ret Loss -0.510dB
Marker 4A Freq 66.058MHz Ret Loss -24.090dB
Marker 5A Freq 74.071MHz Ret Loss -18.662dB
Marker 6A Freq 80.016MHz Ret Loss -0.558dB

Note: This is a simulated response plot. Actual performance might differ.

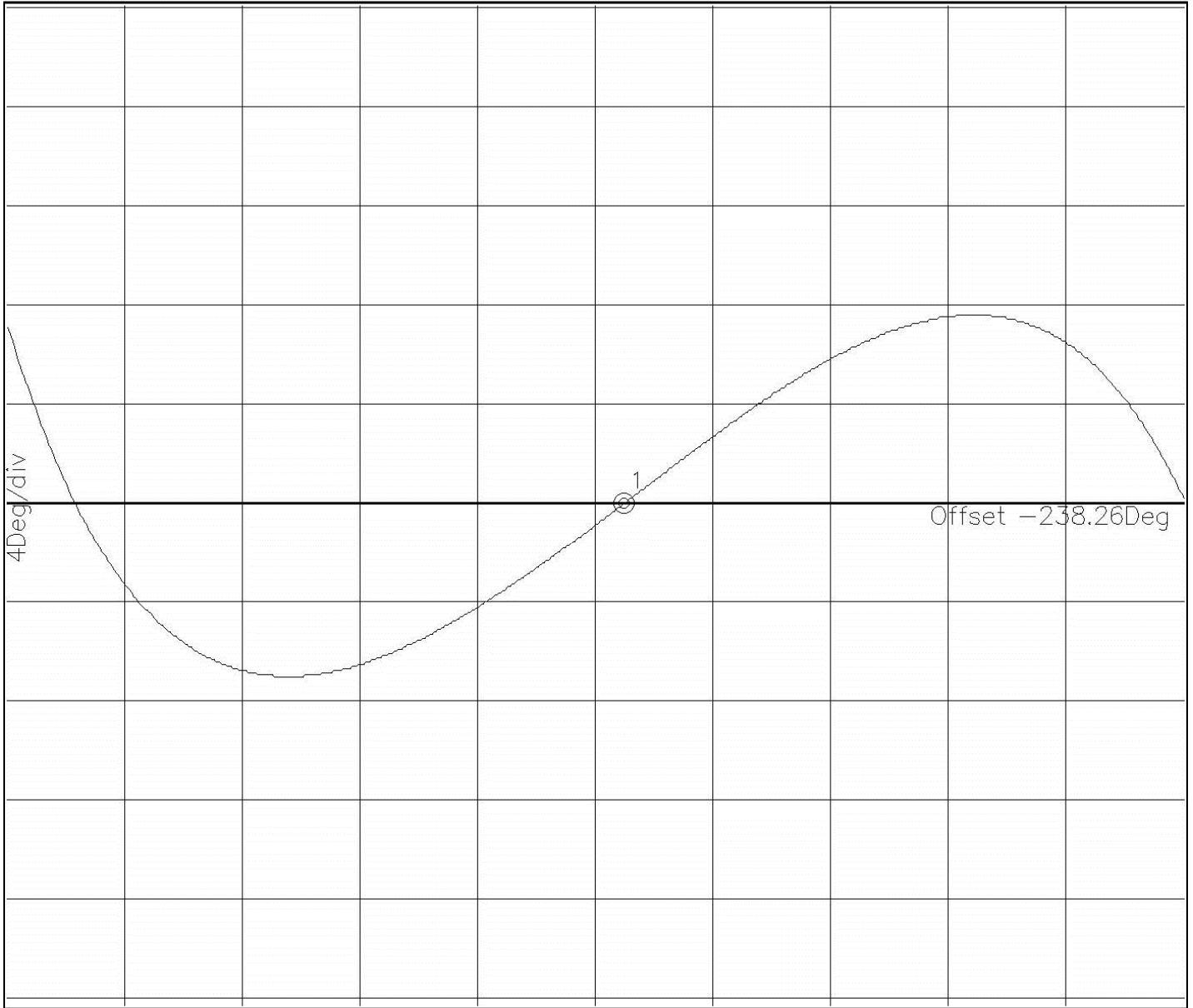


### Phase Linearity:

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Phase



Phase Start: 66.0MHz Stop: 74.0MHz

Marker 1 Freq 70.187MHz Phase -0.036Deg