



**Electrical Specifications**

**Passband:** 1.0 dB C/O 525 MHz Min  
**Insertion Loss:** 1.0 dB @ 525 MHz  
**VSWR:** 1.25:1 @ 525 MHz  
**Stopband:** 50 dB @ 900 MHz  
**Phase:** Deviation from Linear Over any 10 MHz Segment:  
 425 to 525 MHz – Shall Not Exceed  $\pm 1.0^\circ$   
 395 to 425 MHz – Shall Not Exceed  $\pm 0.25^\circ$   
 525 to 555 MHz – Shall Not Exceed  $\pm 0.5^\circ$

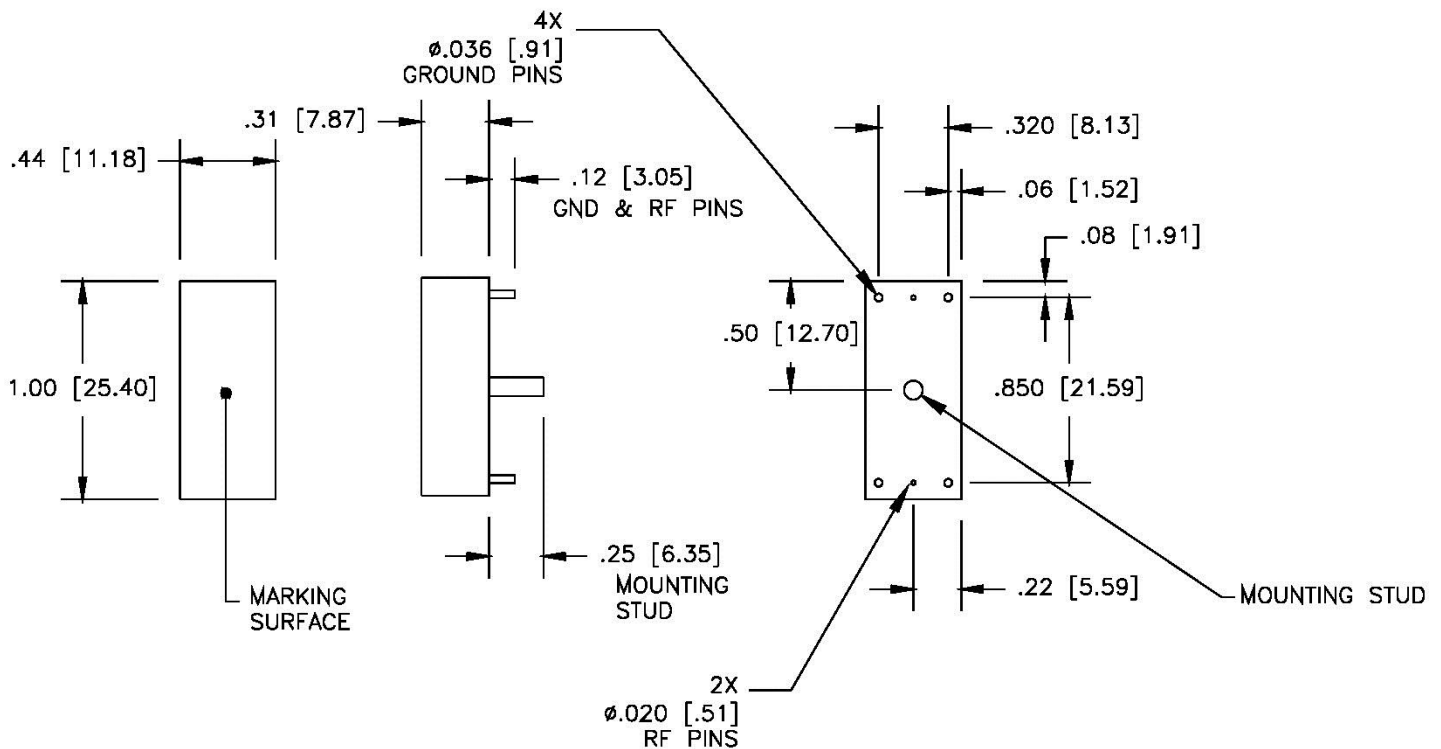
**Mechanical**

**Connector Type:** RF Pins  
**Dimensions:** 1.0 x 0.44 x 0.31 Inches

**Environmental**

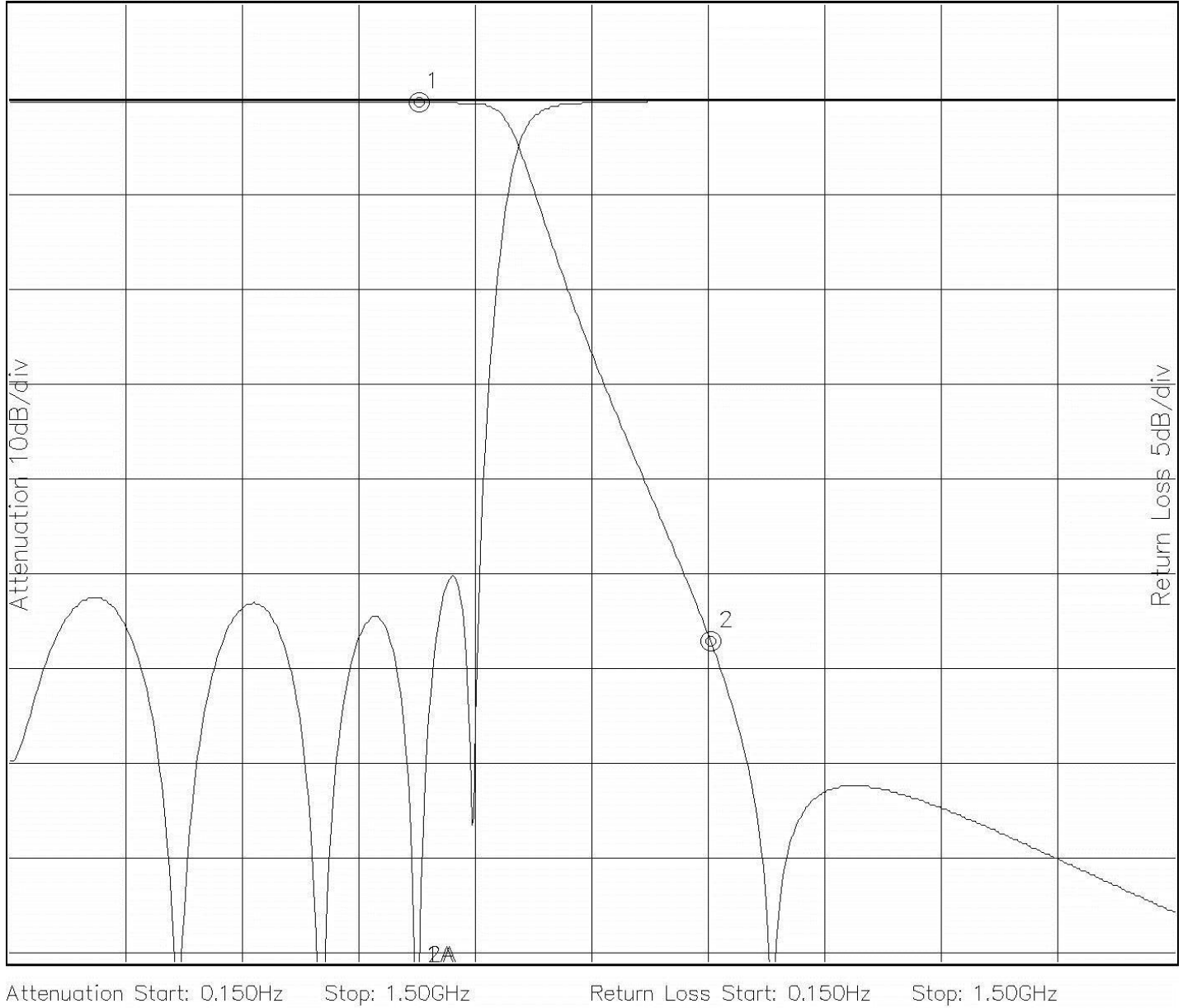
**Operating Temperature:** -20 to +70° C

**Outline Drawing:**





### Response Plot:



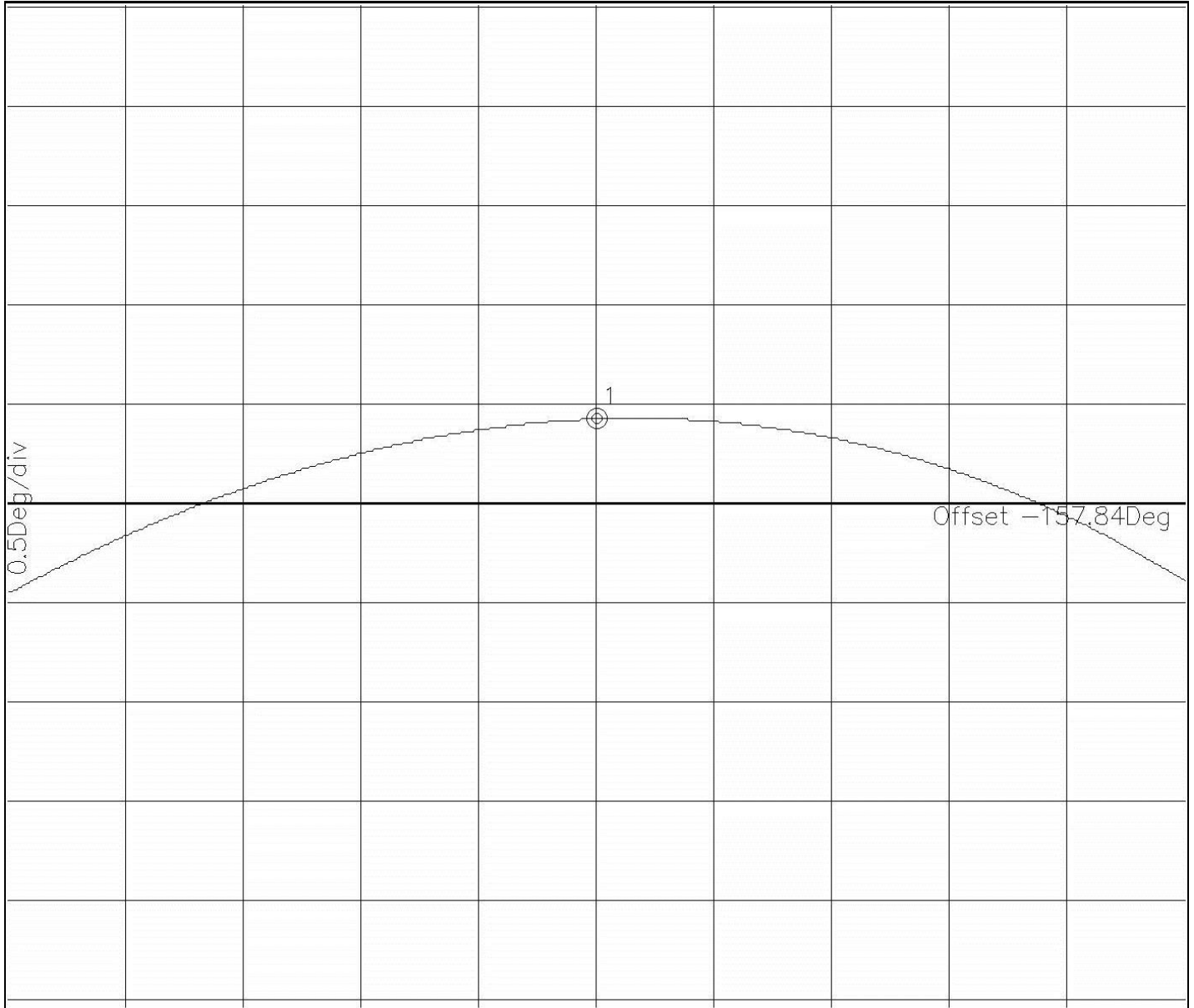
Marker 1 Freq 525.84MHz Atten -0.253dB  
Marker 2 Freq 901.45MHz Atten -56.942dB

Marker 1A Freq 525.84MHz Ret Loss -46.112dB  
Marker 2A Freq 525.84MHz Ret Loss -46.112dB

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



### Phase:



Phase Start: 525.0MHz Stop: 565.0MHz

Marker 1 Freq 544.96MHz Phase 0.422Deg

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