



### Electrical Specifications

**Pass Band:** 1.0 dB C/O 525 MHz Min  
**Insertion Loss:** 1.0 dB at 525 MHz  
**In/Out VSWR:** 1.25:1 Max at 525 MHz  
**Stopband:** 50 dB @ 900 MHz  
**Phase:** Deviation from linear over any 10 MHz segment:  
 425-525 MHz: Shall not exceed  $\pm 1.0^\circ$   
 395-425 MHz: Shall not exceed  $\pm 0.25^\circ$   
 525-555 MHz: Shall not exceed  $\pm 0.5^\circ$

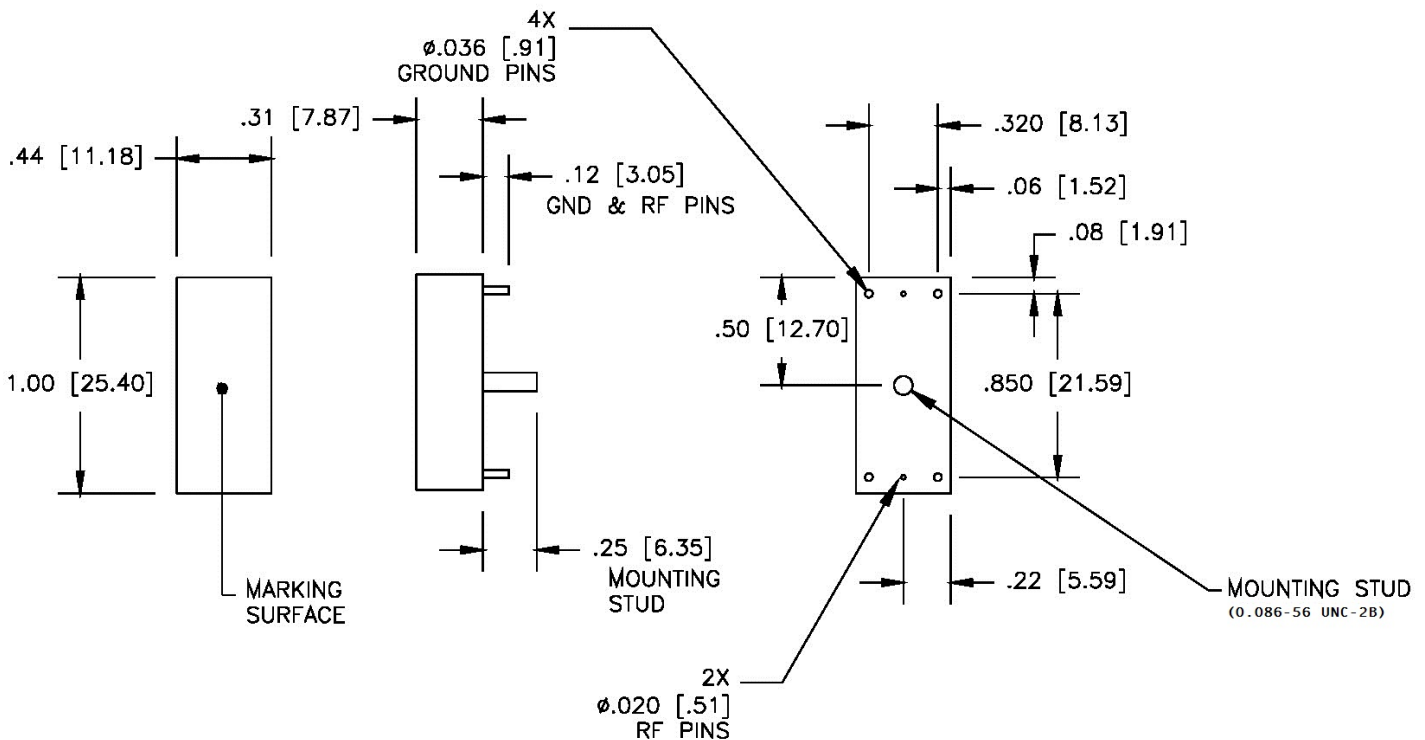
### Mechanical

**Connector Type:** RF Pins  
**Dimensions:** 1.00 x 0.44 x 0.31 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:



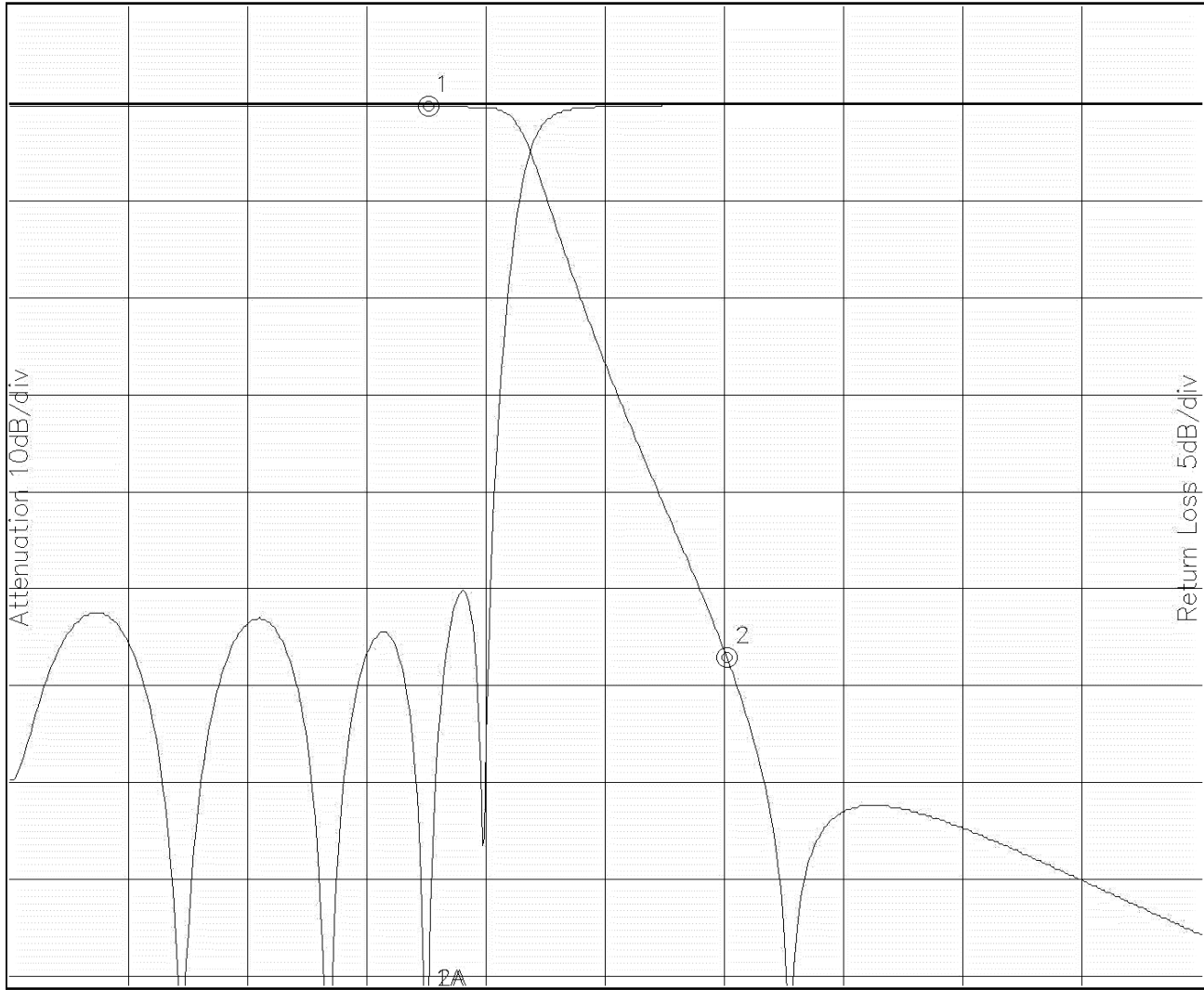
2 decimal places:  $\pm 0.01$  inches [ $\pm 0.3$ mm]  
 3 decimal places:  $\pm 0.005$  inches [ $\pm 0.13$ mm]  
 Angles:  $\pm 1$  Deg.

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



**Simulation Plot:**

A4/9.lad FEB 5, 2015 Attenuation/Return Loss



Attenuation Start: 0.150GHz Stop: 1.50GHz Return Loss Start: 0.150GHz Stop: 1.50GHz

Marker 1, Freq 525.84MHz Atten -0.253dB	Marker 1A Freq 525.84MHz Ret Loss -46.112dB
Marker 2, Freq 901.45MHz Atten -56.942dB	Marker 2A Freq 525.84MHz Ret Loss -46.112dB

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



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RF & Microwave Filters & Products

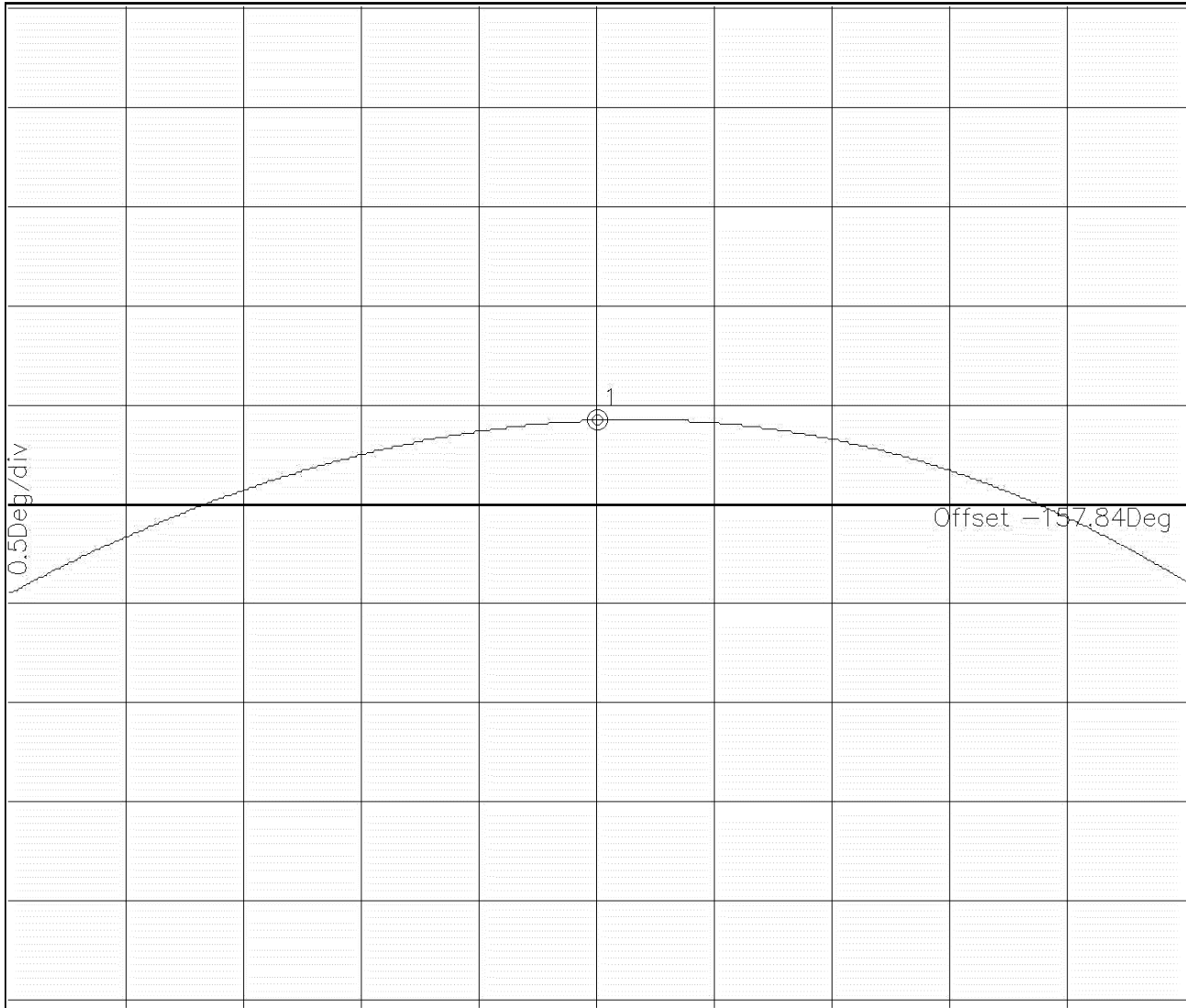
# 525 MHz LC Low Pass Filter

**Part Number: AE525L9195**



## Phase:

A4/9.lad FEB 5, 2015 Phase



Phase Start: 525.0MHz Stop: 565.0MHz

Marker 1 Freq 544.96MHz Phase 0.422Deg