



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 $\pm 0.5^\circ$

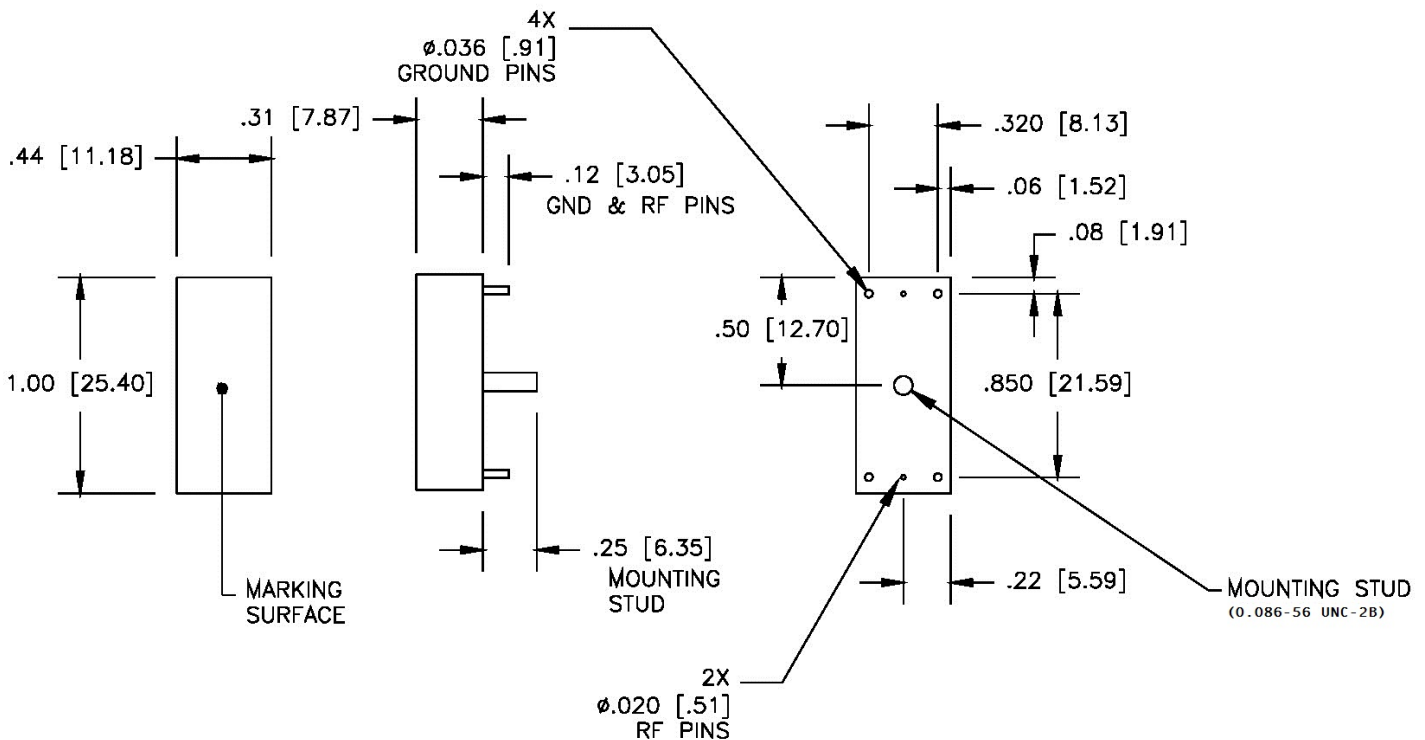
Mechanical

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:



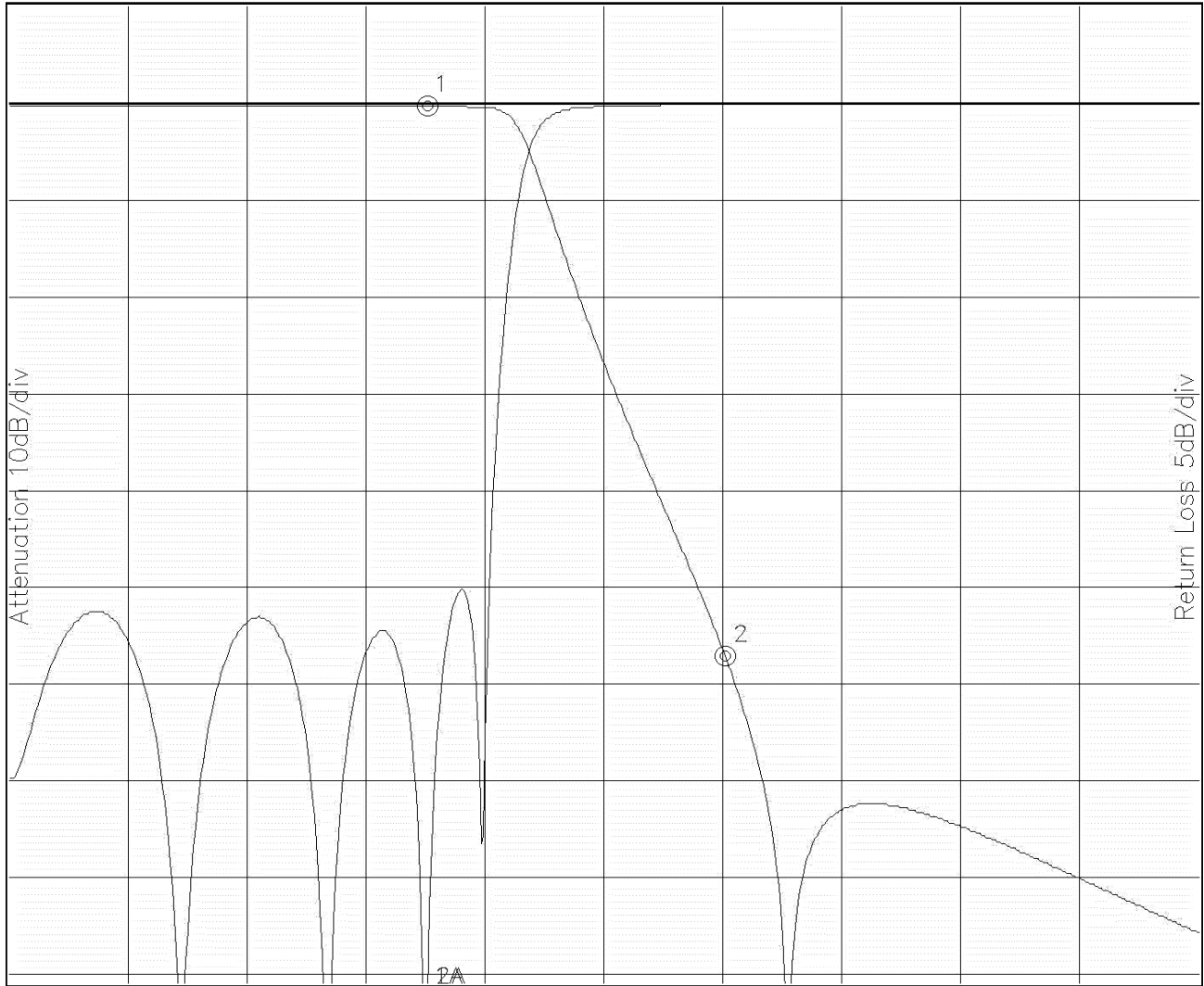
2 decimal places: +/-0.01 inches [+/-0.3mm]
 3 decimal places: +/-0.005 inches [+/-0.13mm]
 Angles: +/-1 Deg.

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



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

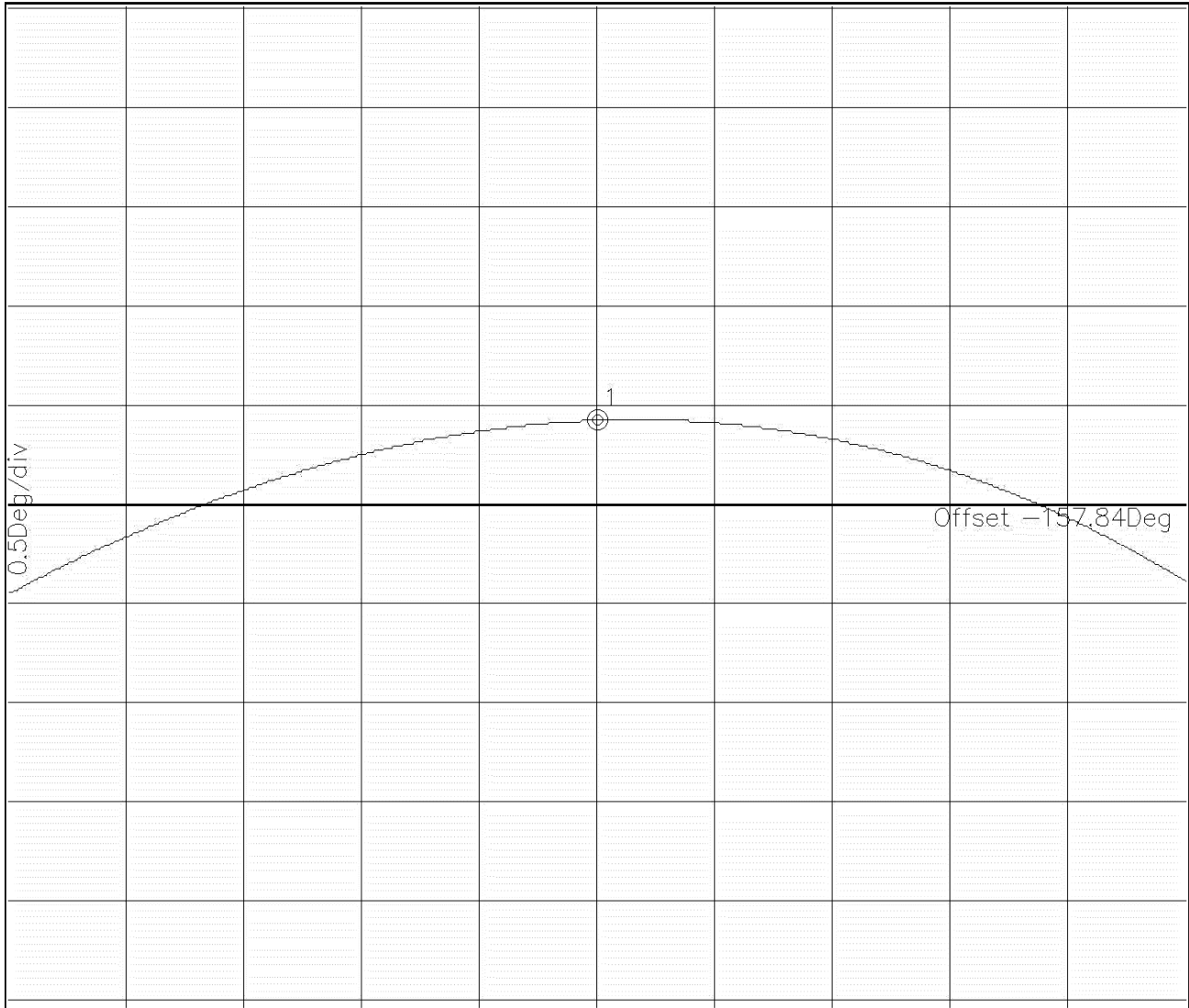
525 MHz LC Low Pass Filter

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