



Electrical Specifications

Pass Band: 3.0 dB @ 514-547 MHz
0.5 dB @ 521-539 MHz
Insertion Loss: 4.5 dB @ 530 MHz
In/Out VSWR: 1.50:1 Max @ 521-539 MHz
Stopband: 10 dB @ 500 and 565 MHz
20 dB @ 495 and 575 MHz
30 dB @ 485 and 585 MHz
40 dB @ 475 and 610 MHz
60 dB @ 450 and 655 MHz
Ripple: 0.5 dB over pass band
Phase Linearity: $\pm 1.0^\circ$ from 525-535 MHz
Deviation from any 10 MHz segment of the 0.5 dB pass band shall not exceed $\pm 1.5^\circ$.

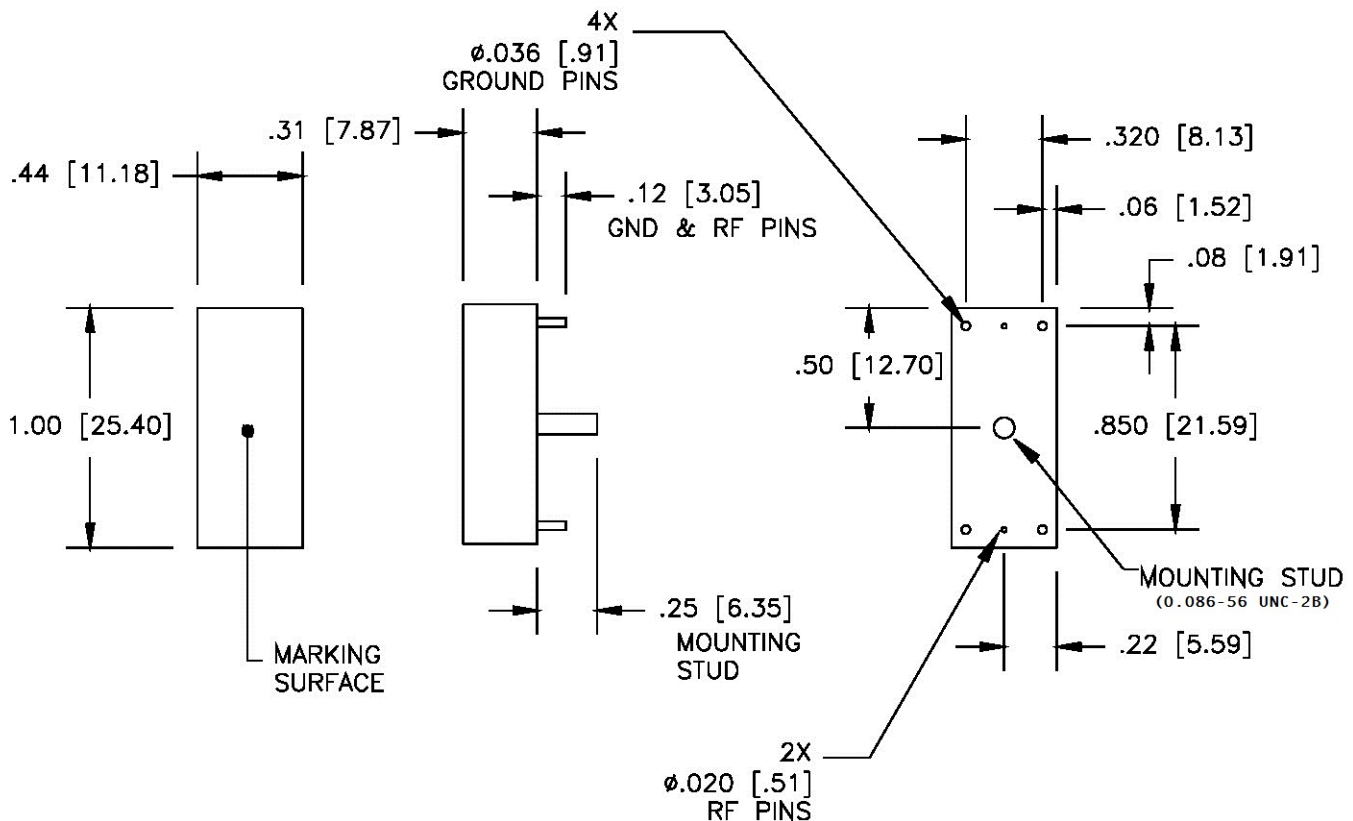
Mechanical

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.

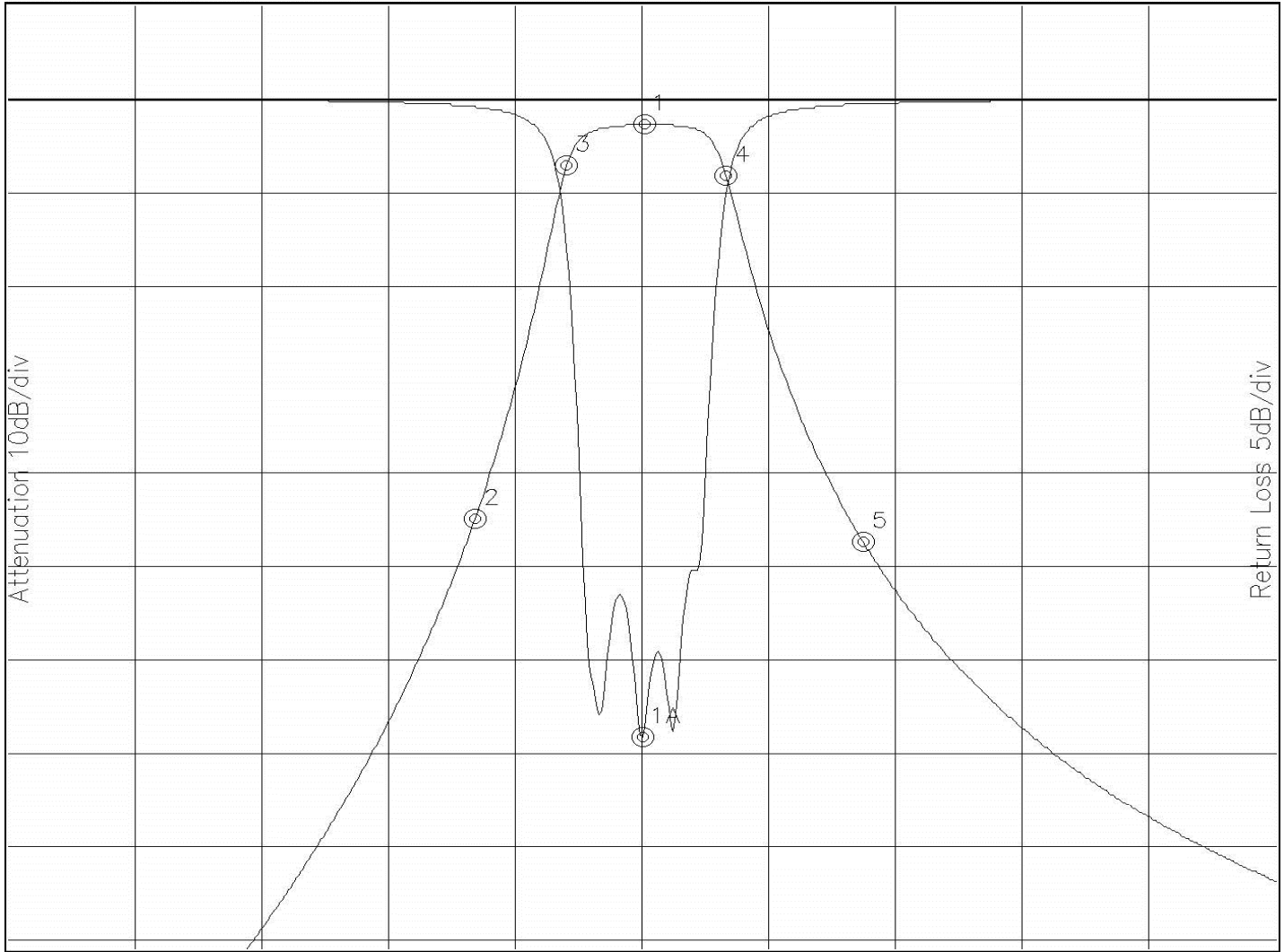


Response Plot:

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Attenuation/Return Loss



Attenuation Start: 400.0MHz Stop: 660.0MHz

Return Loss Start: 400.0MHz Stop: 660.0MHz

- Marker 1 Freq 530.21MHz Atten -2.611dB
- Marker 2 Freq 495.34MHz Atten -44.881dB
- Marker 3 Freq 514.24MHz Atten -7.026dB
- Marker 4 Freq 547.01MHz Atten -8.144dB
- Marker 5 Freq 575.15MHz Atten -47.236dB

Marker 1A Freq 529.79MHz Ret Loss -33.992dB

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