



Electrical Specifications

Passband: DC-46.8 MHz
3dB Passband: 52 MHz Min.
Insertion Loss: 2.0dB Max. @ 46.8 MHz
VSWR: 1.5:1 Max. @ 46.8 MHz
Rejection: 30dB Min. @ 57 MHz

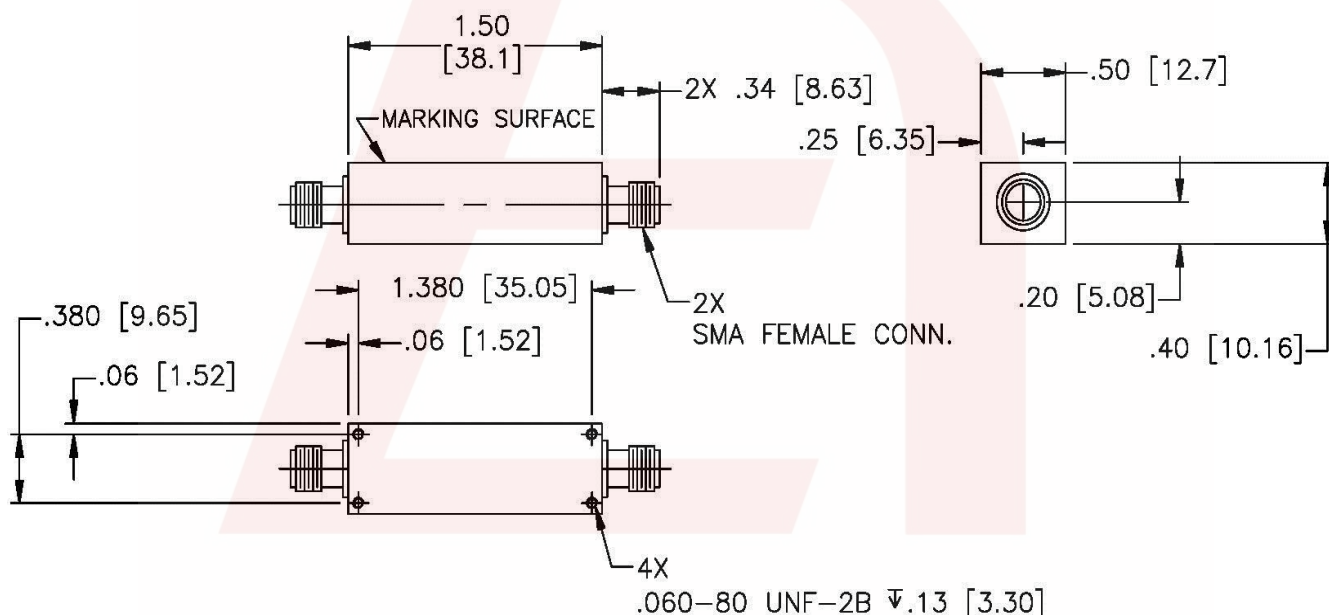
Mechanical

Mounting Method: 0-80 Threaded Holes
Connector Type: SMA (F)
Dimensions: 1.50 x 0.50 x 0.40 in

Environmental

Operating Temperature: -20° C to +70° C
Storage Temperature: -55° C to +95° C
Shock: 10 G.11ms
Vibration: 10 G. 5 to 2000 MHz

Outline Drawing:



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Reference DCR: D052919-04A

Tolerance: +/-0.01 inches [+/- 0.3mm]

Angles: +/- 1 Deg.

*Tolerance as shown unless otherwise specified in the datasheet electrical specification tables above.

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

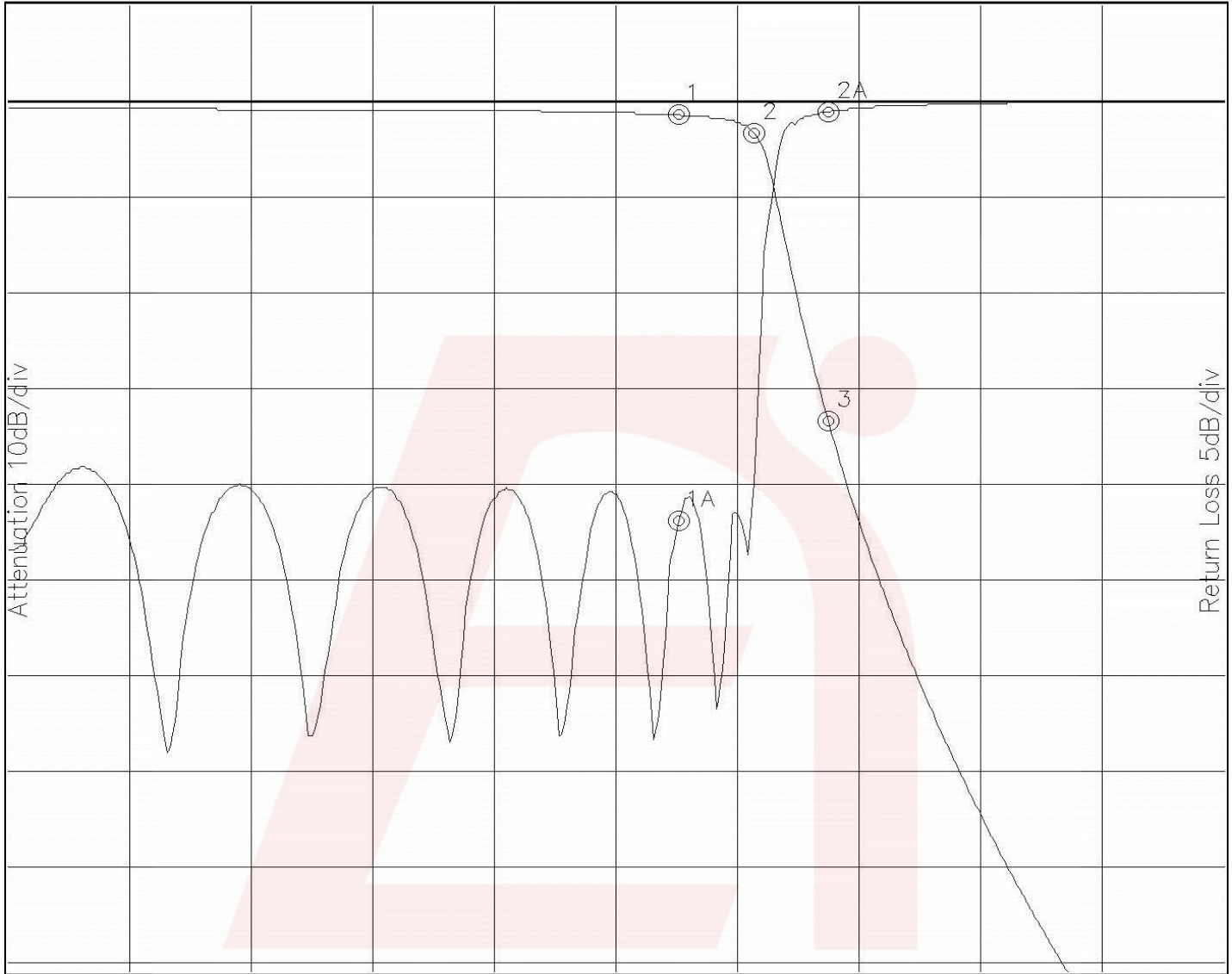


52 MHz LC Band Pass Filter

Part Number: AE52B11183



Simulation Plot:



Attenuation Start: 0.009Hz Stop: 85.0MHz

Return Loss Start: 0.009Hz Stop: 85.0MHz

Marker 1 Freq 46.826MHz Atten -1.405dB
 Marker 2 Freq 52.044MHz Atten -3.200dB
 Marker 3 Freq 57.262MHz Atten -33.298dB

Marker 1A Freq 46.826MHz Ret Loss -21.864dB
 Marker 2A Freq 57.262MHz Ret Loss -0.516dB

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

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