



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

52 MHz LC Band Pass Filter

Part Number: AE52B11183



Electrical Specifications

Passband: 3.0 dB C/O 52 MHz
Insertion Loss: 2.0 dB @ 46.8 MHz
VSWR: 1.5:1 Max. @ 46.8 MHz
Stop Band: Curve

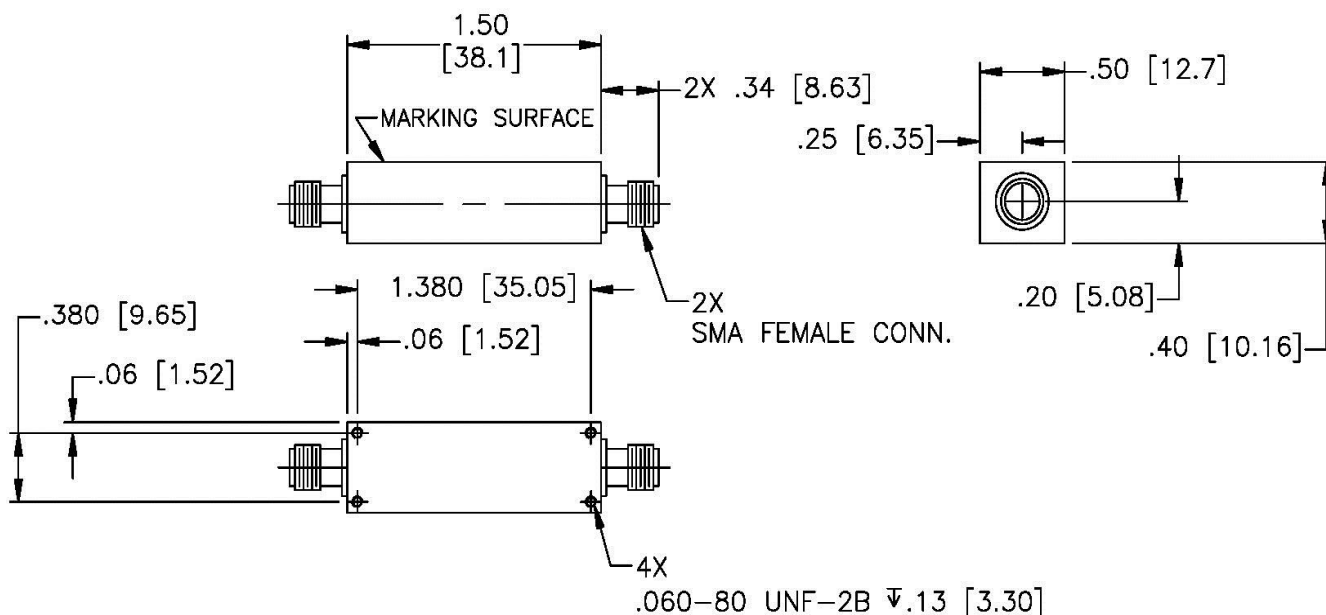
Mechanical

Mounting Method: 0-80 Threaded Mounting
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 200Hz

Outline Drawing:



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

Angles: +/- 1 Deg.

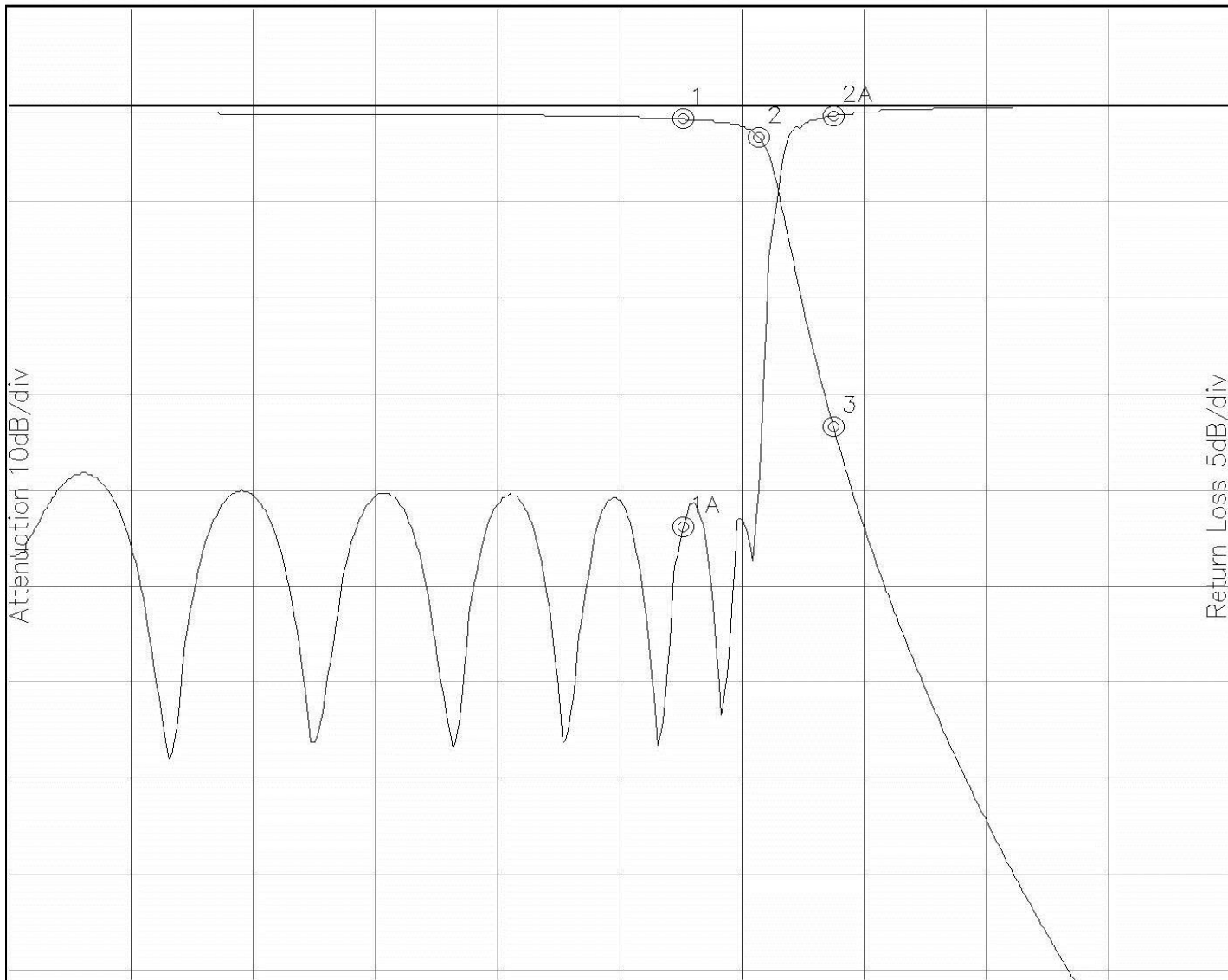
*Tolerance as shown unless otherwise specified in the datasheet electrical specification tables above.

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

Reference DCR: D052919-01B



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.