



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

50 MHz LC Band Pass Filter

Part Number: AE50B11186



Electrical Specifications

Passband: 3.0 dB BW 2.0 Min. MHz

Insertion Loss: 16dB @ 50 MHz

VSWR: 1.5:1 Max. @ Typ.

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

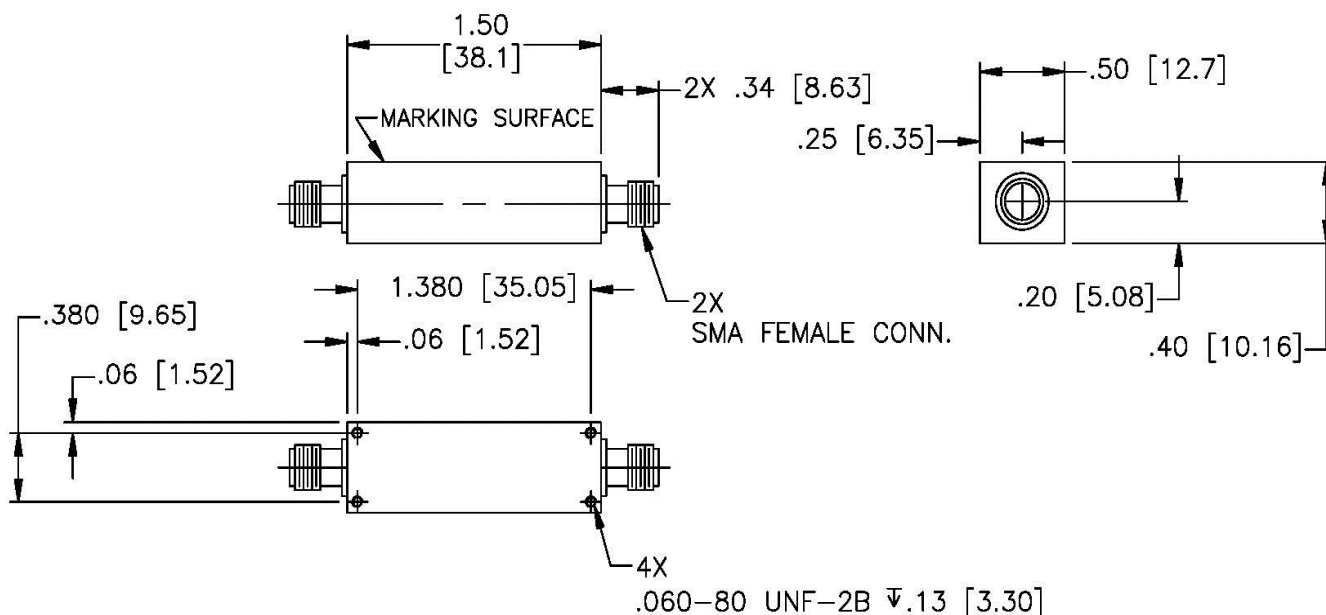
Operating Temperature: -20° C to +70° C

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.

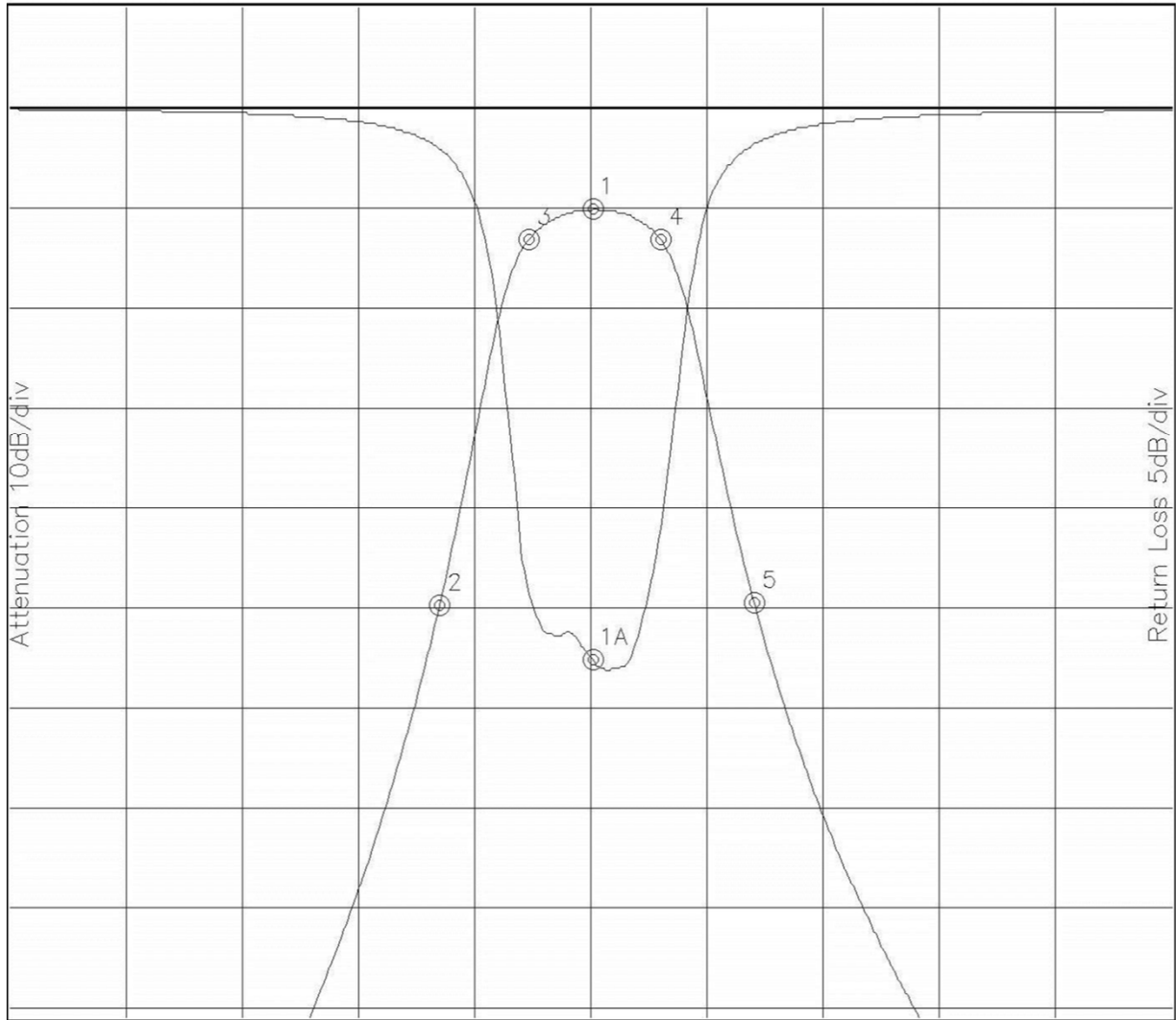
Reference DCR: D052919-02B

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Simulation Plot:



Attenuation Start: 40.0MHz Stop: 60.0MHz Return Loss Start: 40.0MHz Stop: 60.0MHz

Marker 1 Freq 50.016MHz Atten -10.108dB
Marker 2 Freq 47.367MHz Atten -49.644dB
Marker 3 Freq 48.918MHz Atten -12.982dB
Marker 4 Freq 51.179MHz Atten -13.080dB
Marker 5 Freq 52.795MHz Atten -49.341dB

Marker 1A Freq 50.016MHz Ret Loss -27.529dB

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