



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

750 MHz LC Band Pass Filter

Part Number: AE750B11624



Electrical Specifications

Center Frequency: 750 MHz

Bandwidth: 500 MHz Min.

Passband Insertion Loss: 1.2 dB Max.

Passband Return Loss : 12 dB Min.

Rejection1: $\geq 40\text{dB}$ @ 250 MHz

Rejection2: $\geq 70\text{dB}$ @ 1402-2500 MHz

Impedance: 50 ohms

Mechanical

Mounting Method: 2-56 Threaded Holes

Connector Type: SMA(F)

Dimensions: 2.38" X 1.0" x 1.0"

Environmental

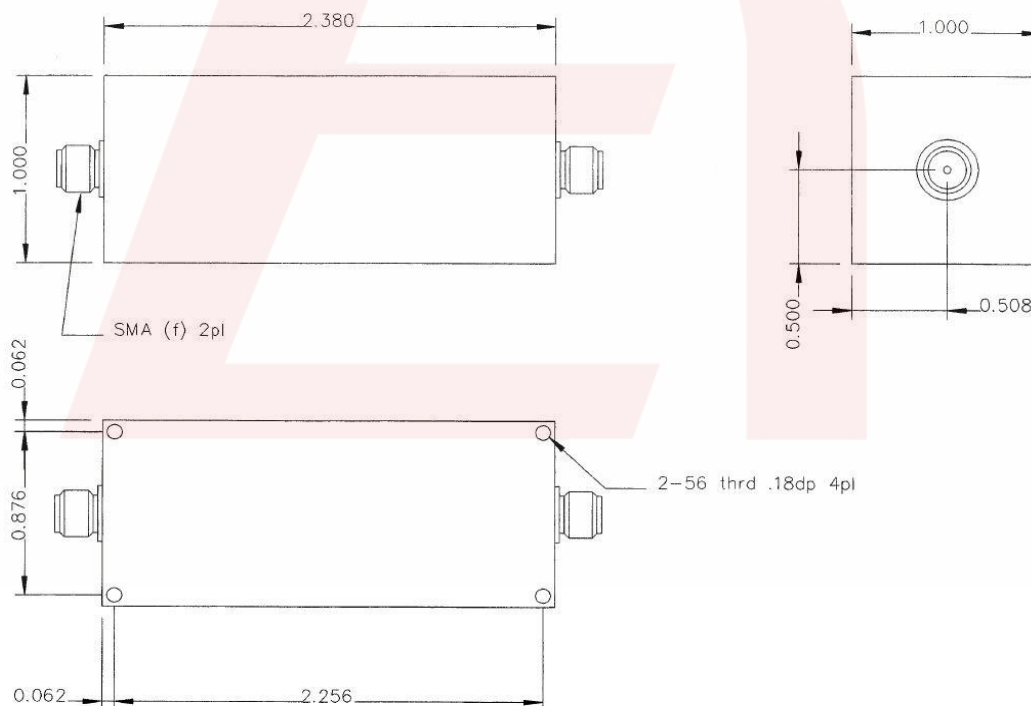
Operating Temperature: -25°C to +70°C

Storage Temperature: -75°C to +90°C

Shock: 10 G. 11ms

Vibration: 10 G. 5 to 200 Hz

Outline Drawing:



DS-B11624-04122019-Rev0



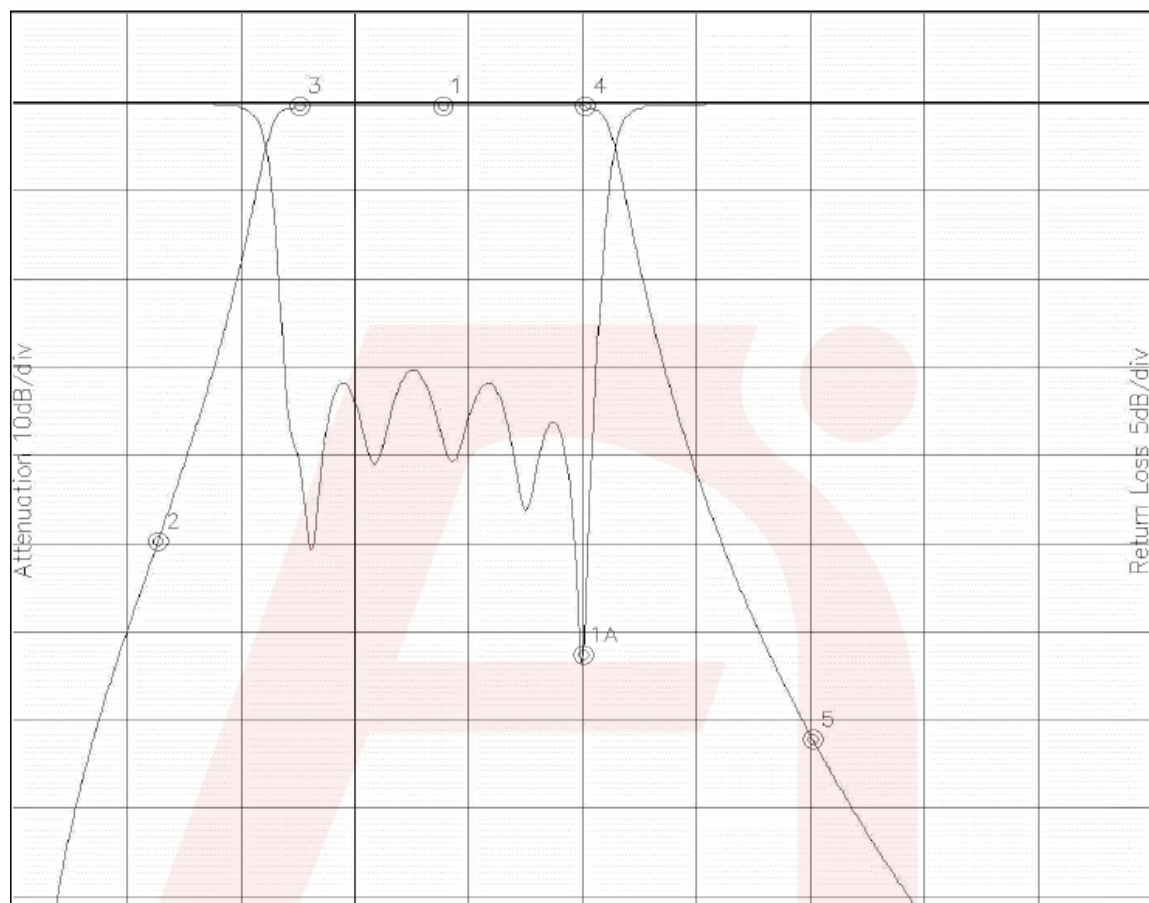
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Simulation Plot:



Attenuation Start: 0.20Hz Stop: 2.0GHz

Return Loss Start: 0.20Hz Stop: 2.0GHz

Marker 1 Freq 752.82MHz Atten -0.364dB

Marker 1A Freq 998.38MHz Ret Loss -31.242dB

Marker 2 Freq 252.01MHz Atten -49.463dB

Marker 3 Freq 500.80MHz Atten -0.512dB

Marker 4 Freq 1.002GHz Atten -0.538dB

Marker 5 Freq 1.402GHz Atten -72.035dB

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