



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

Preliminary Datasheet

312 MHz LC Bandpass Filter

Part Number: AE312LB12156



Electrical Specifications

Center Frequency (CF): 312 MHz
Passband: 125 – 500 MHz (3 dB)
Insertion Loss @ CF: 1.0 dB Max
Return Loss over Passband: 7.4 dB Min
Rejection: 30 dB Min @ DC – 108 MHz
30 dB Min @ 550 – 1000 MHz
Impedance: 50 ohms In/Out
Power Handling: 25 W Avg.

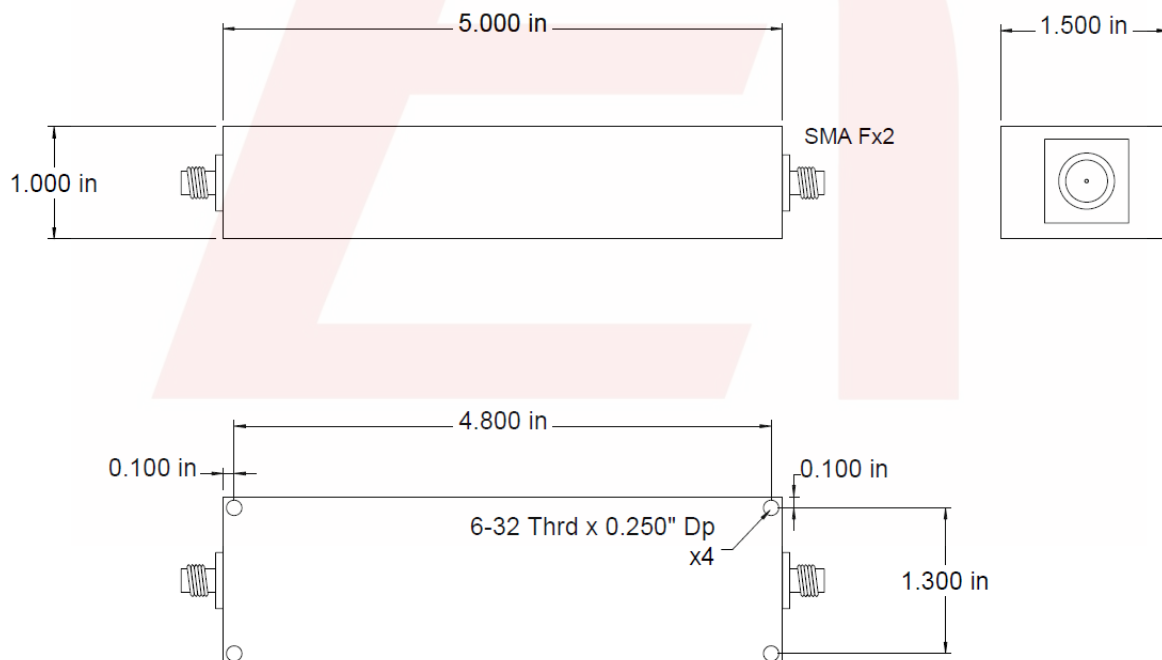
Mechanical

Mounting Method: Threaded Holes
Connector Type: SMA (F)
Dimensions: 5.0 x 1.5 x 1.0 in.

Environmental

Operating Temperature: -30°C to +70°C
Storage Temperature: -40°C to +85°C
Shock: 10 G. 11ms
Vibration: 10 G. 5 to 2000 Hz

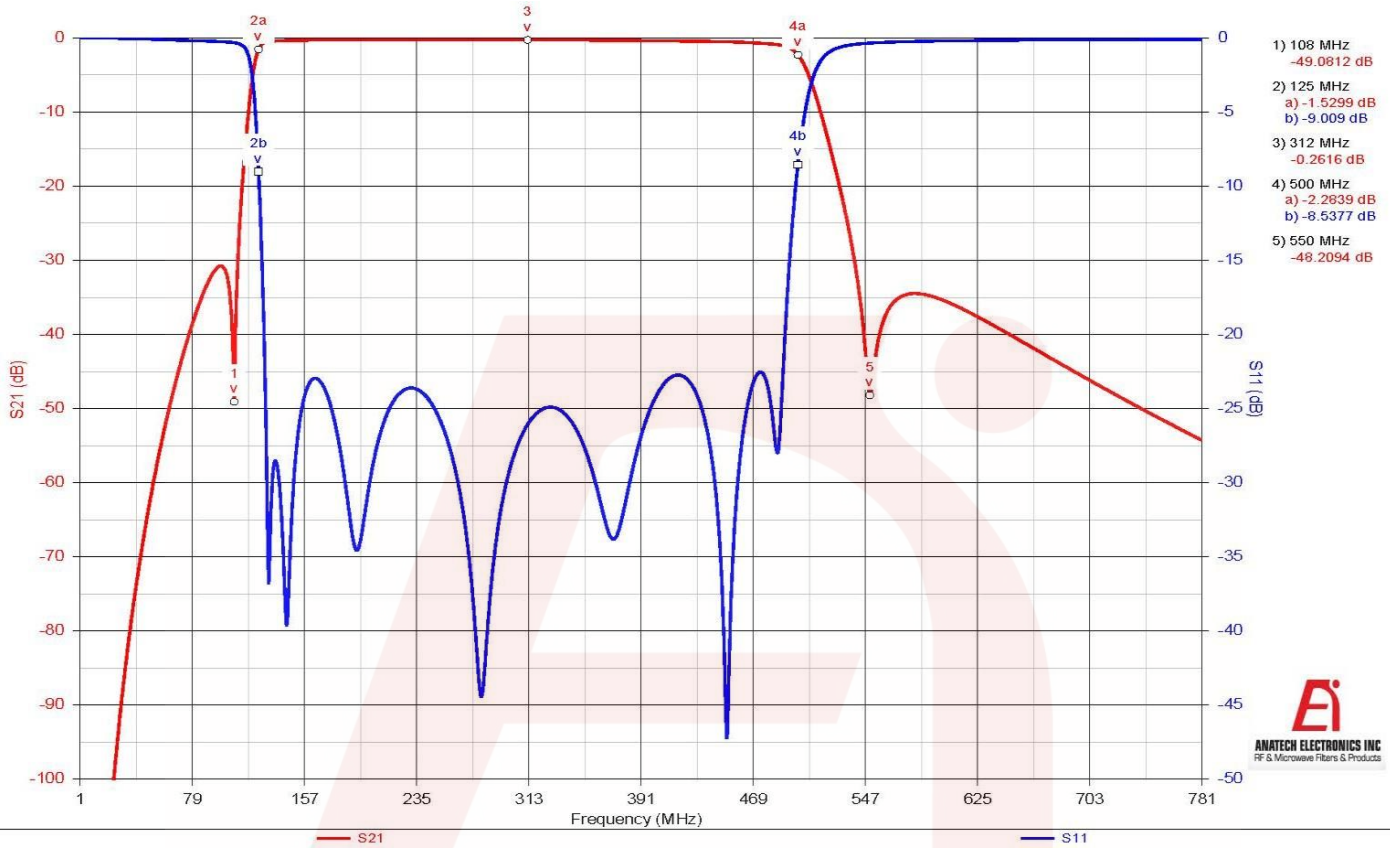
Outline Drawing:



DS-LB12156-10312024-Rev0



Simulated Plot:



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