



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

305 MHz Cavity Band Pass Filter

Part Number: AE305B12147



Electrical specifications

Center Frequency: 305 MHz

Bandwidth: 30 MHz Min

Passband: 290 - 320 MHz

Passband Insertion Loss: 1.5 dB Max

Passband Return Loss: 13 dB Min

Rejection: 40 dB Min @ 240 - 270 MHz

Rejection: 40 dB Min @ 400 -1000 MHz

Impedance: 50 Ohms In/Out

Power Handling: 50 W CW Max

Mechanical

Mounting Method: Threaded Holes

Connector Type: SMA (F)

Dimensions: 4.50 x 1.50 x 0.63 in

Environmental

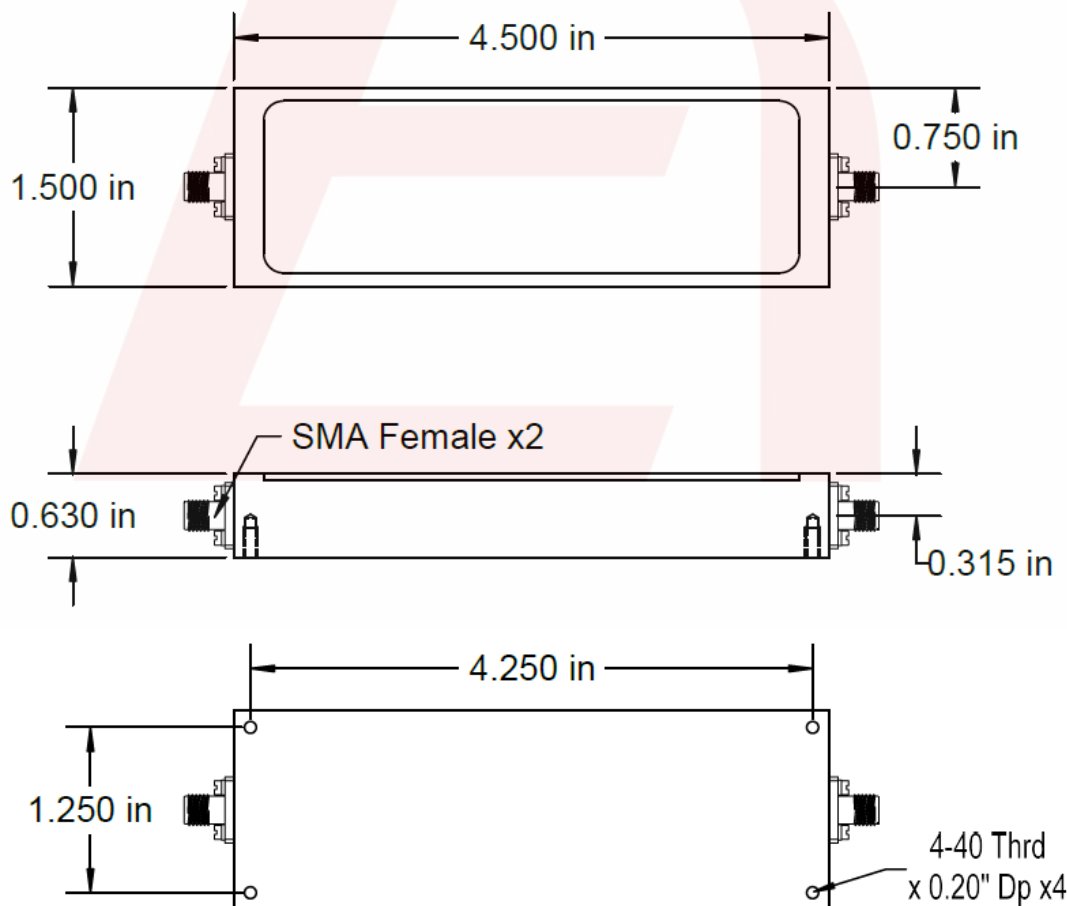
Operating Temperature: -40°C to +75°C

Storage Temperature: -55°C to +100°C

Shock: 20 G. 11ms

Vibration: 20 G. 5 to 200 Hz

Outline Drawing:



DS-B12147-03252025-Rev4



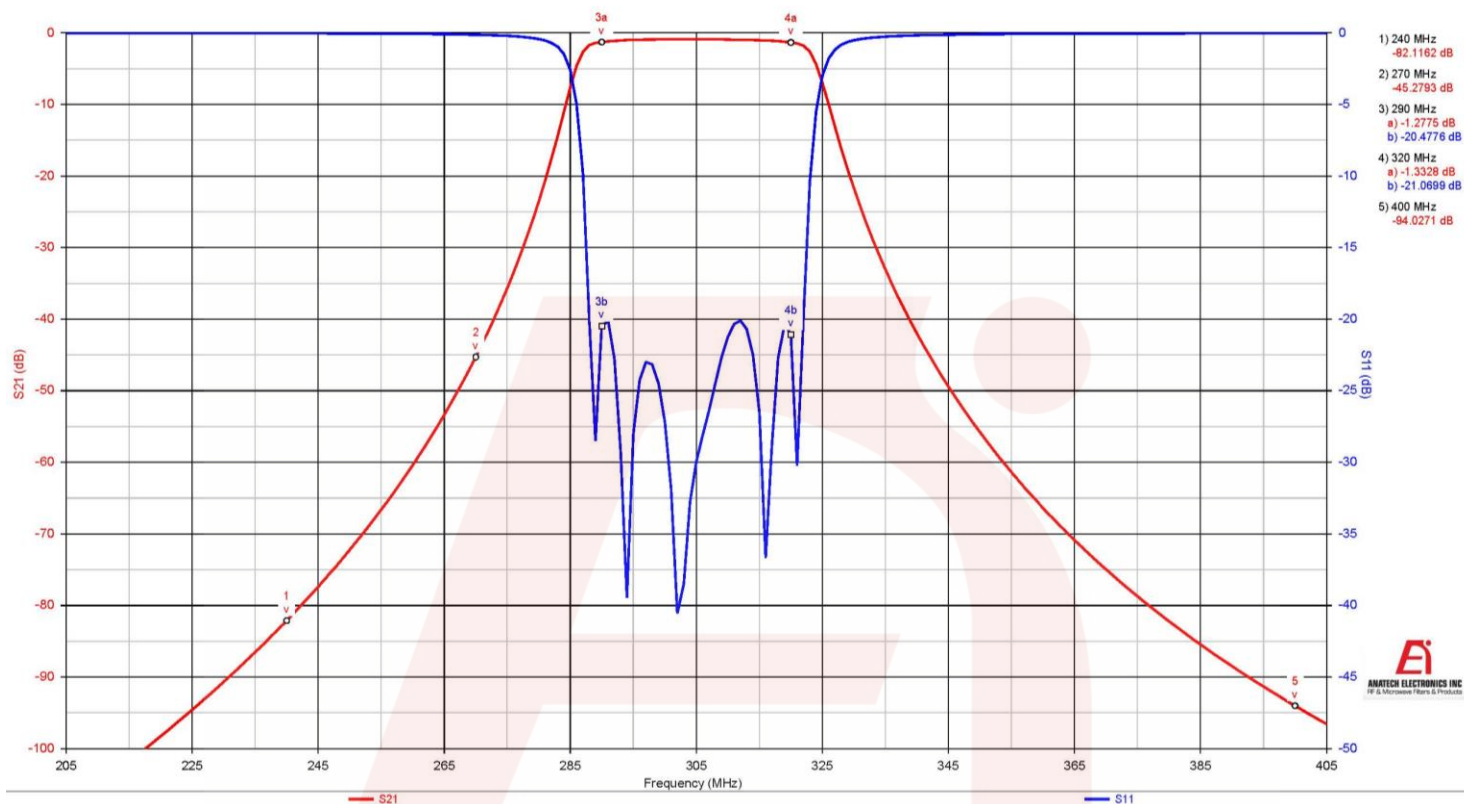
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Simulation Plot:



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

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