



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

974 MHz Cavity Bandpass Filter For Outdoor

Part Number: AE974B12182-O



Electrical Specifications

Center Frequency: 974 MHz
Passband: 943-1005 MHz
Insertion loss in Passband: 2.0 dB Max
Return loss in Passband: 15 dB
Rejection 1: 60 dB Min. @ 918 MHz
Rejection 2: 70 dB Min. @ 1030 MHz
Ultimate Rejection: 50 dB Min. to 20 GHz
Impedance: 50 Ohms In/Out
Power Handling: 50 W CW

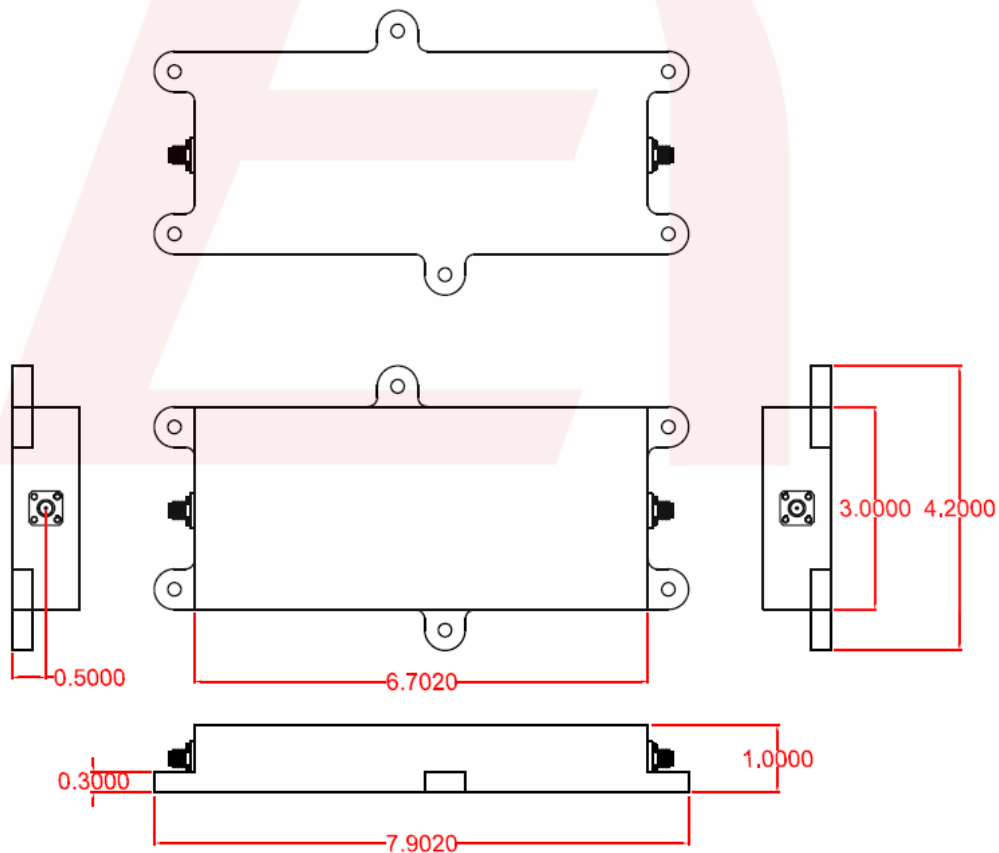
Mechanical

Mounting Method: Threaded Mounting Holes
Connector Type: SMA (F)
Approx. Size: 6.7 X 7.9 X 4.2 in

Environmental

Operating Temperature: -50°C to +85°C
Storage Temperature: -60°C to +95°C
Shock: 20 G. 11ms
Vibration: 20 G. 5 to 200 Hz
IP Rating: IP65

Outline Drawing:



DS-B12182-O-03042025-Rev3



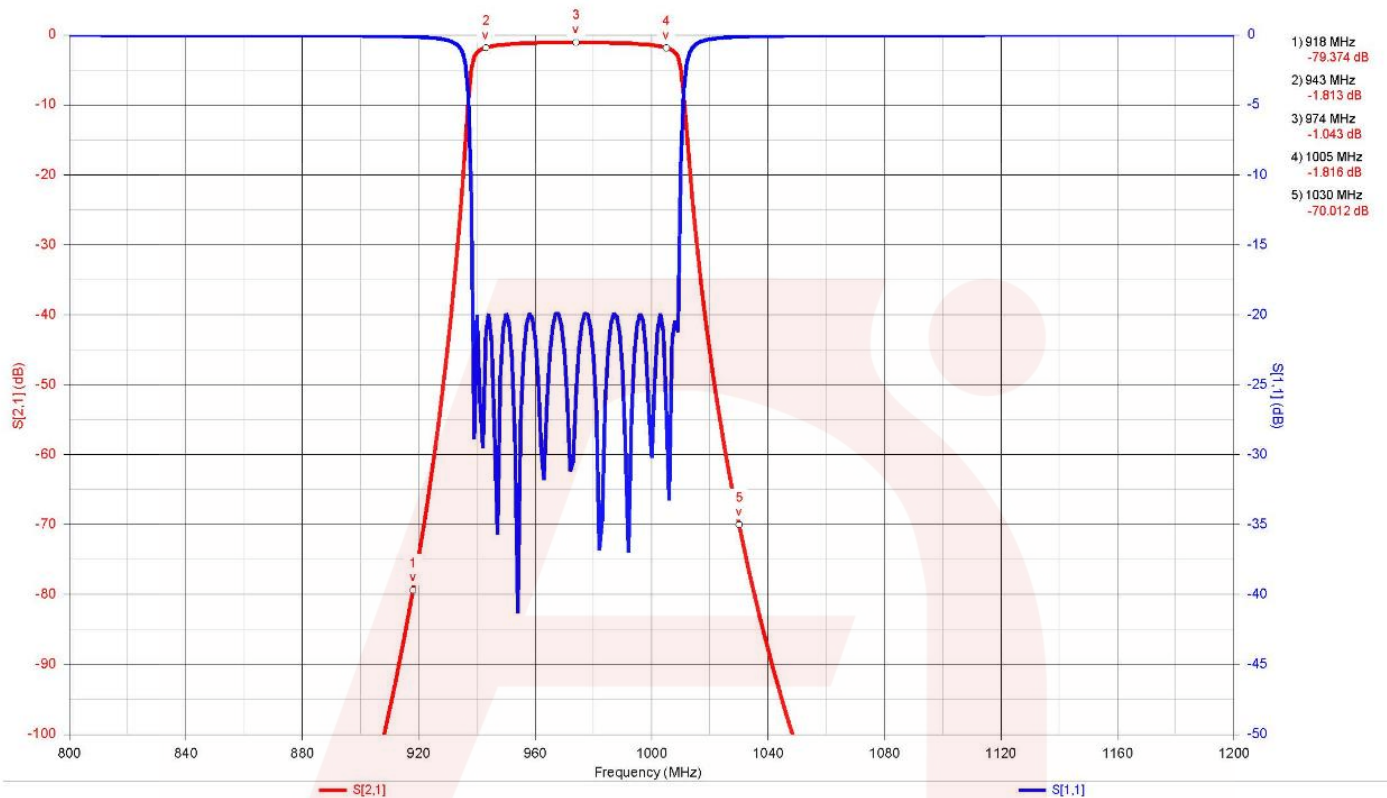
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Simulation Plot:



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

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