



915 MHz Cavity Band Pass Filter for Outdoor



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

Part Number: AE915B11738

Electrical Specifications

Center Frequency: 915 MHz
Passband: 902-928 MHz
Insertion Loss 1: 1.0 dB @ 902-925 MHz
Insertion Loss 2: ~ 3.0 dB @ 928 MHz
Return Loss: 14.0 dB Min.
Ripple: 0.2 dB Max
Rejection1: 40 dB Min @ 894 MHz
Rejection2: 35 dB Min @ 929.5-930.5 MHz
Power Handling: 50 W CW
Input / output Impedance: 50 Ohms

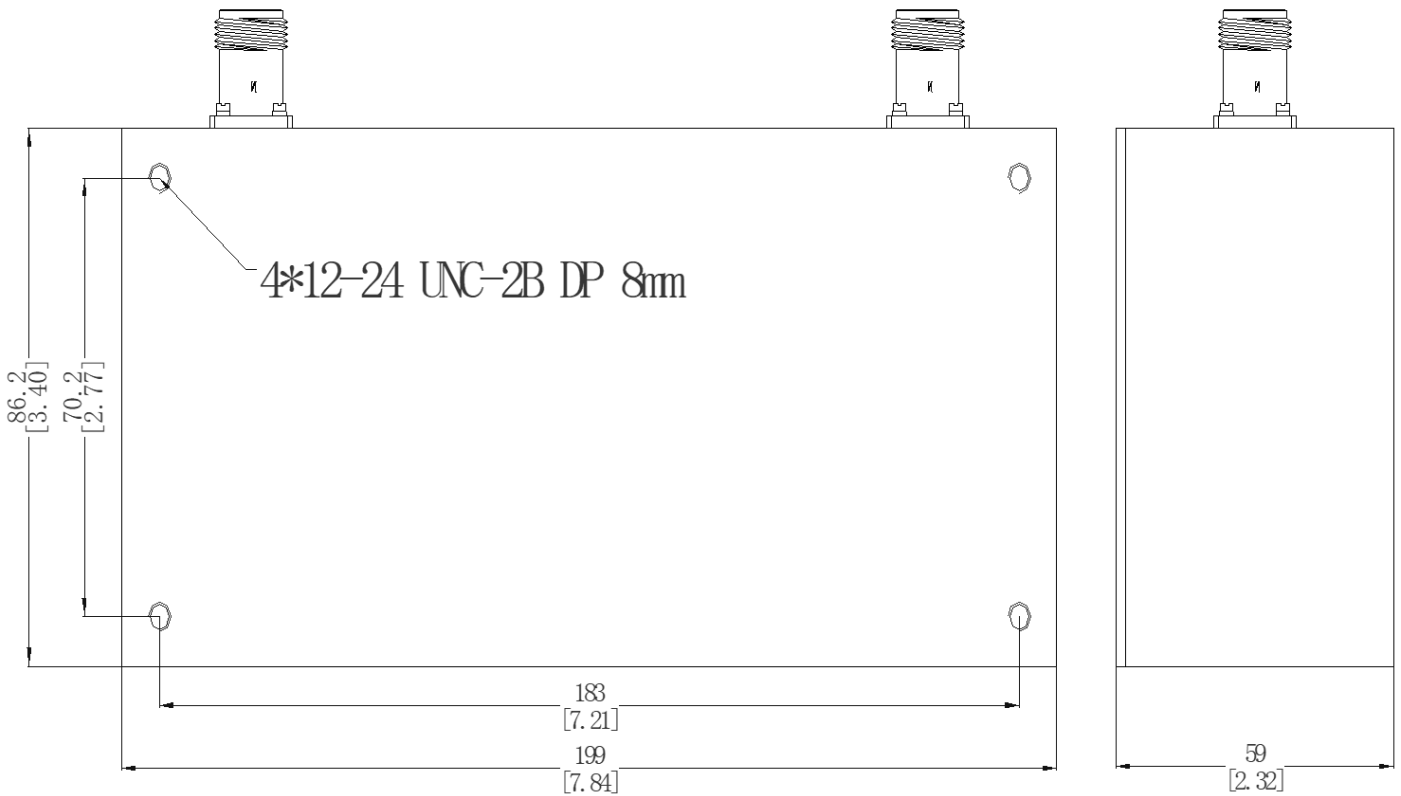
Mechanical

Mounting Method: Threaded Holes
Connector Type: N-Type(F)
Dimensions: 7.84" X 3.4" x 2.32"
Dimensions: 199 X 86.2 X 59 mm

Environmental

Operating Temperature: -45°C to +85°C
Storage Temperature: -55°C to +95°C
Shock: 20 G. 11ms
Vibration: 20 G. 5 to 200Hz
Weatherproofing: IP65

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.

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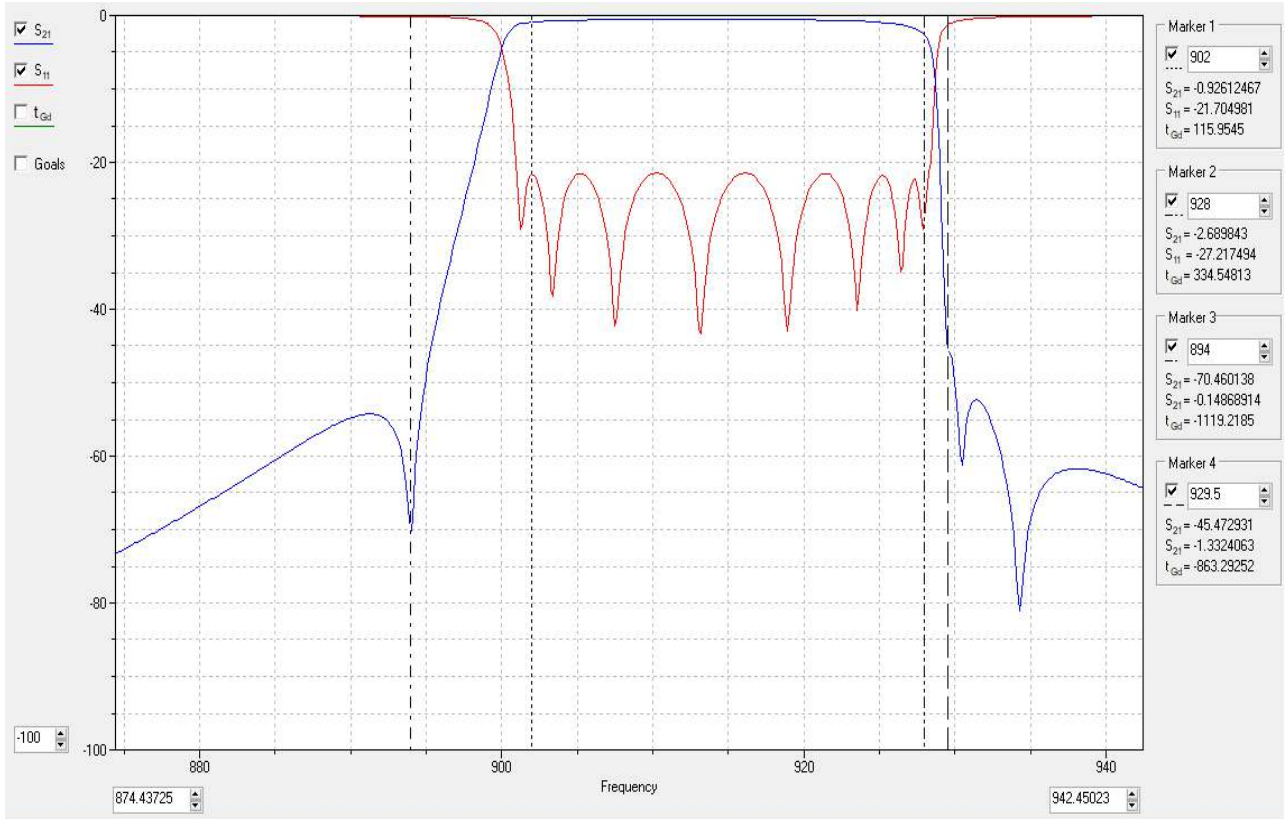
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Simulation Plot:



Note: This is a simulated response plot. Actual performance might differ.