



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

2245 MHz Cavity Bandpass Filter

For outdoor applications

Part Number: AE2245B12335-O



Electrical specifications

Center Frequency: 2245 MHz

Passband: 2200 – 2290 MHz

Insertion Loss: 1.0 dB Max @ 2200 MHz
1.8 dB Max @ 2290 MHz

Return Loss: 15 dB Min

Rejection: 35 dB Min @ ≤ 2190 MHz

Rejection: 50 dB Min @ 2300 MHz

Impedance: 50 Ohms In/Out

Phase Matching: $\pm 5^\circ$ for set of 4 units

Power Handling: 50 W CW Max

Mechanical

Mounting Method: Threaded Holes

Connector Type: SMA (F)

Dimensions: 5.26 x 4.10 x 1.30 in
133.5 x 104 x 33 mm

Environmental

Operating Temperature: -40°C to $+70^\circ\text{C}$

Storage Temperature: -55°C to $+85^\circ\text{C}$

Shock: 20 G. 11ms

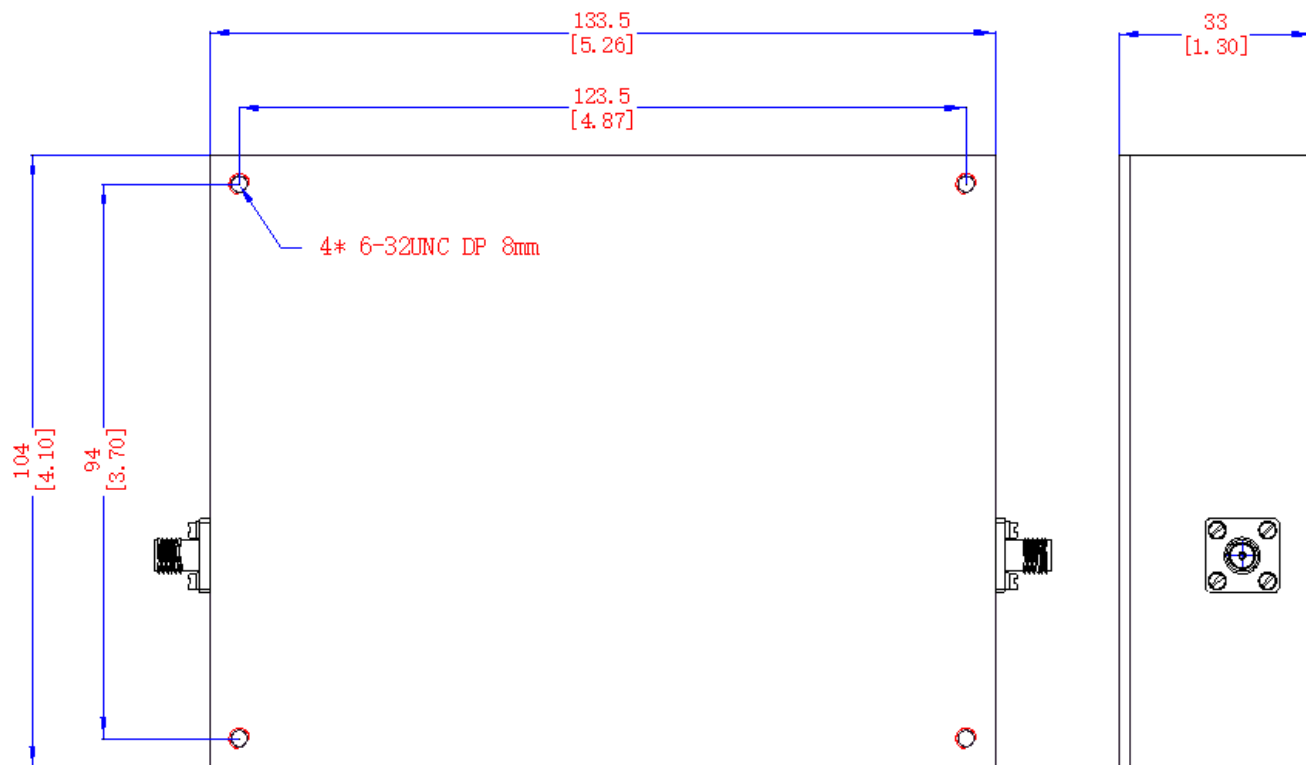
Vibration: 20 G. 5 to 2000 Hz

Humidity: 95%RH at 40°C

Altitude: 30,000 ft.

IP Rating: IP65

Outline Drawing:



DS-B12335-O-06132025-Rev0



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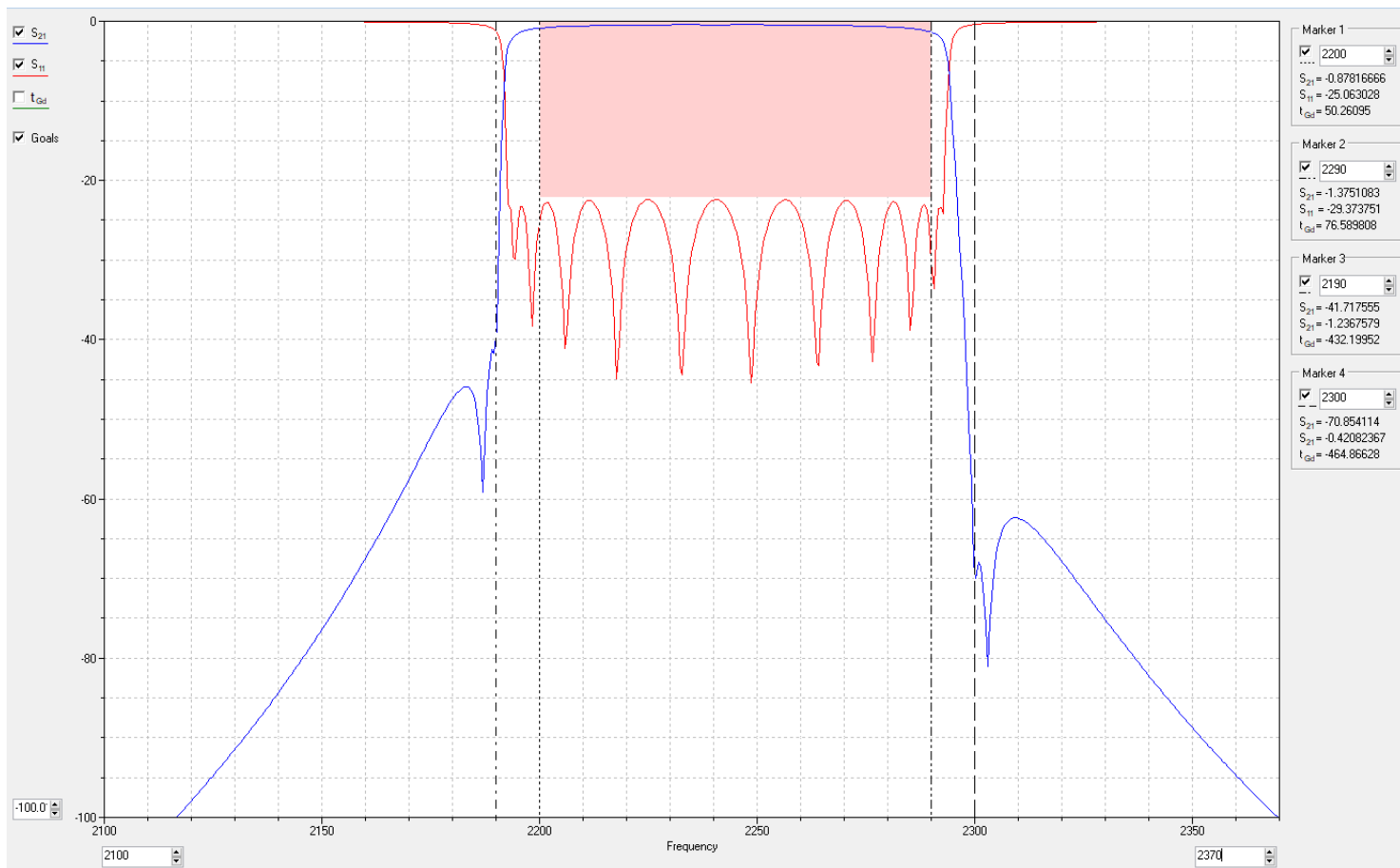
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Simulation Plot:



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



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