



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

4300 MHz Cavity Bandpass Filter

Part Number: AB4300B802



Electrical specifications

Center Frequency (Fc): 4300 MHz
Bandwidth (BW): 120 MHz Min
Passband: 4240-4360 MHz
Insertion Loss @ BW: 0.8 dB Max
Ripple: 0.2 dB Max
Return Loss in BW: 15 dB Min
Rejection: 20 dB Min @ ≤ 4200 MHz
Rejection: 20 dB min. @ ≥ 4400 MHz
Rejection 3: 80 dB Min @ $2 \cdot F_c$
Power Handling: 30 W
Input / Output Impedance: 50 Ohms

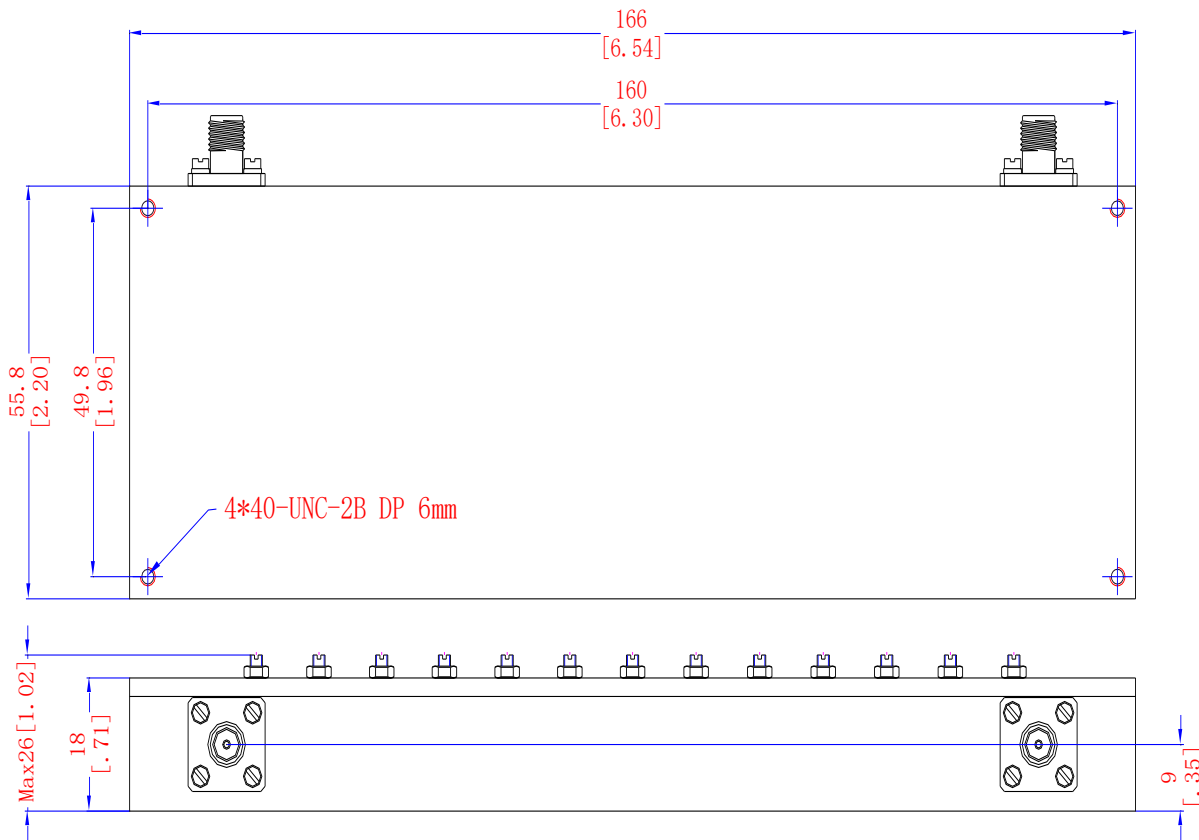
Mechanical

Mounting Method: 4-40 Threaded Holes
Connector Type: SMA Female
Dimensions (in): 6.54 x 2.20 x 0.71
Dimensions (mm): 166 x 55.8 x 18

Environmental

Operating Temperature: -40°C to $+70^{\circ}\text{C}$
Storage Temperature: -55°C to $+95^{\circ}\text{C}$
Shock: 20 G. 11ms half sine wave, 3 axis both directions
Vibration: 20 G. 20 to 200 Hz

Outline Drawing:



Tolerance: ± 0.01 inches [± 0.3 mm]

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.