



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

1780 MHz Cavity Band Pass Filter

Part Number: AE1780B11642



Electrical Specifications

Center Frequency: 1780 MHz
Bandwidth: 140 MHz
Insertion Loss: 1.0 dB Max.
Return Loss: 15 dB Min.
Rejection1: ≥ 40 dB @ 1680 MHz
Rejection2: ≥ 40 dB @ 1950 MHz
Power Handling: 30 W
Impedance: 50 Ohms

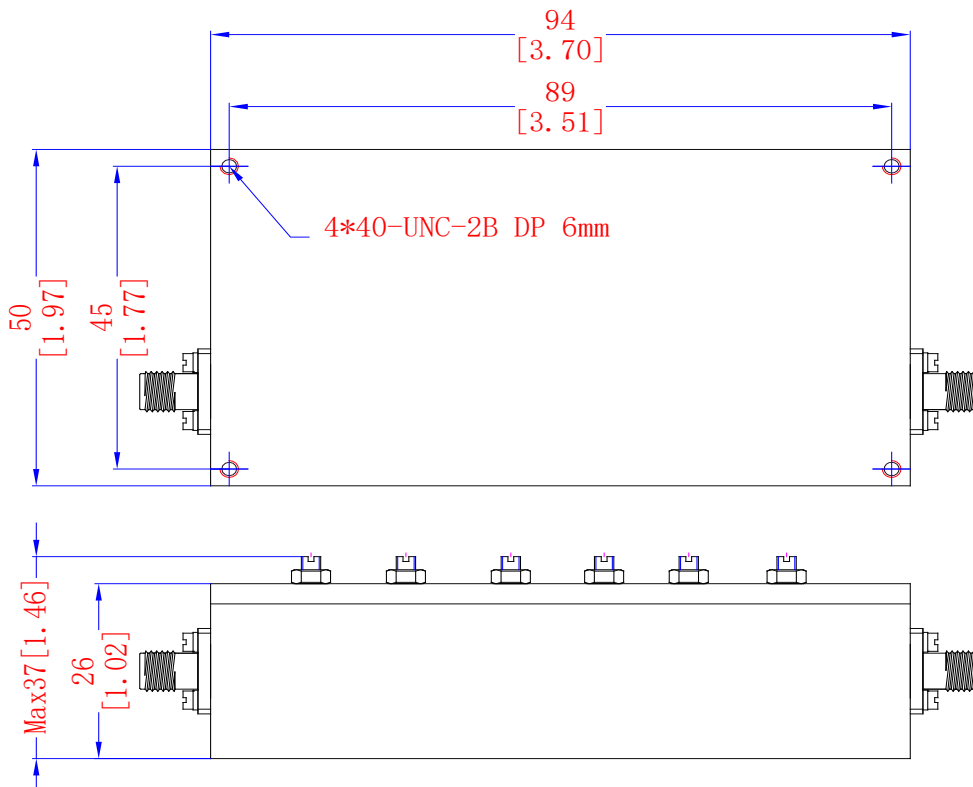
Mechanical

Mounting Method: 4-40 Threaded Holes
Connector Type: SMA(F)
Dimensions: 3.7" X 1.97" x 1.46" .

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

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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Simulation Plot:

