



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

2305-2315 MHz Cavity Band Pass Filter

Part Number: AE2310B11640



Electrical specifications

Center Frequency: 2310 MHz
Bandwidth: 10 MHz
Passband: 2305-2315 MHz
Passband variation over bandwidth: $\leq 0.5\text{dB}$
Passband Insertion Loss: $\leq 1.0\text{dB}$
Passband Ripple: $\leq 0.2\text{ dB}$
Passband Return Loss: $\geq 18\text{ dB}$
Group delay variation over bandwidth: $\leq 15\text{ ns}$
Rejection1: 13 MHz offset from Center Frequency
 $\geq 20\text{ dBc}$
Rejection2: 20 MHz offset from Center Frequency
 $\geq 30\text{ dBc}$
Input / Output Impedance: 50 Ohms
Power Handling: 20 W (avg)
Peak Power Handling: 150 W

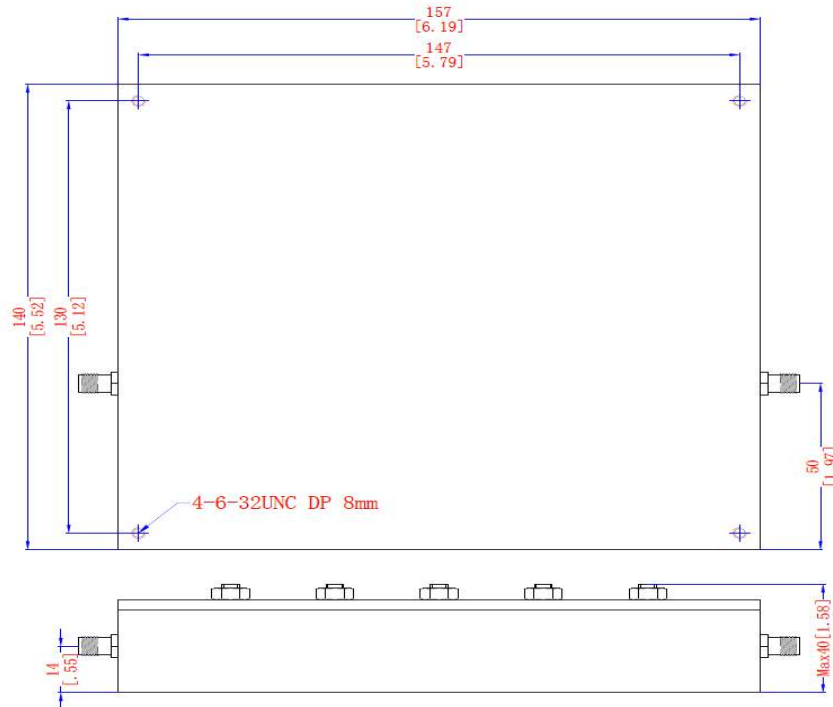
Mechanical

Mounting Method: Threaded Mounting Holes
Connector Type: SMA Female
Dimensions: 6.19 x 5.52 x 1.58 in

Environmental

Operating Temperature: 0 to +50 deg.C
Storage Temperature: -55 to +95 deg.C
Shock: 20 G. 11ms
Vibration: 20 G. 5 to 200 Hz

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.