



**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products

# 766.5 MHz Cavity Band Pass Filter

**Part Number: AE766B11906**



## Electrical Specifications

**Center Frequency:** 766.5 MHz  
**Passband:** 746-787 MHz  
**Insertion Loss:** 3.0 dB max  
**Return Loss:** 14 dB Min @ Passband  
**Rejection1:** 40 dB Min @ 735 MHz  
**Rejection2:** 40 dB Min @ 800 MHz  
**Impedance:** 50 Ohms  
**Power Handling:** 50 W CW max

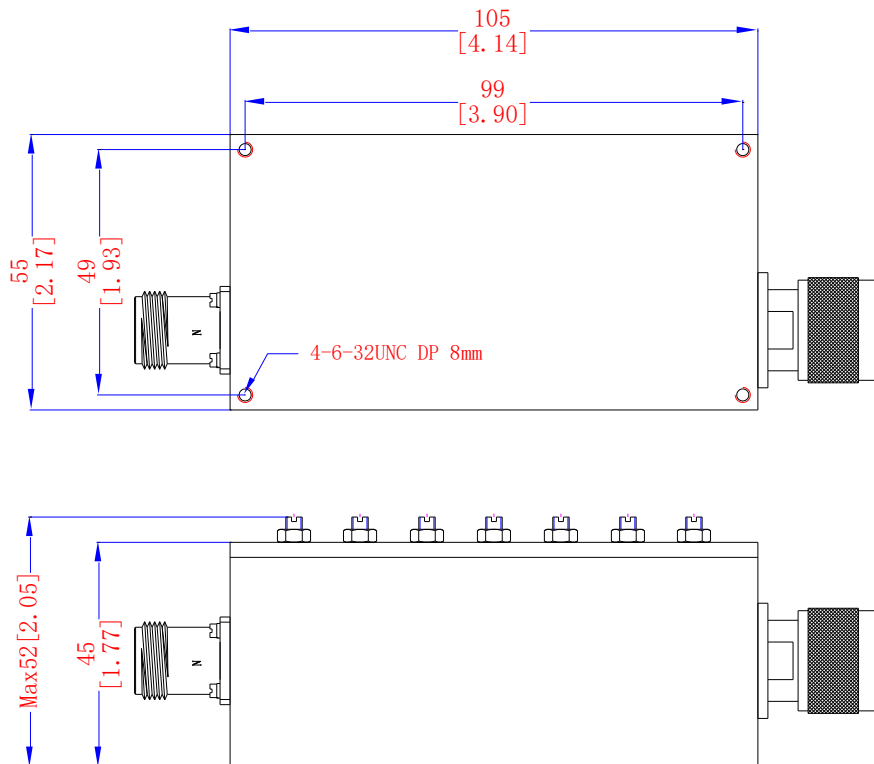
## Mechanical

**Mounting Method:** 6-32 Threaded Holes  
**Connector Type:** N(F)/N(M)  
**Dimensions:** 4.14" x 2.17" x 1.77"  
 105 x 55 x 52 mm

## Environmental

**Operating Temperature:** -40°C to +80°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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## Simulated Response Plot

