



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

# 3550 MHz Cavity Band Pass Filter

**Part Number: AE3550B11878**



## Electrical Specifications

**Center Frequency:** 3450 MHz  
**Passband:** 3300 - 3600 MHz  
**Insertion Loss:** 1.0 dB Max.  
**Return Loss:** 18 dB Min  
**Rejection1:**  $\geq 50$ dB @ 3280 MHz  
**Rejection2:**  $\geq 50$ dB @ 3620 MHz  
**Impedance:** 50 Ohms  
**Power Handling:** 100 CW Max

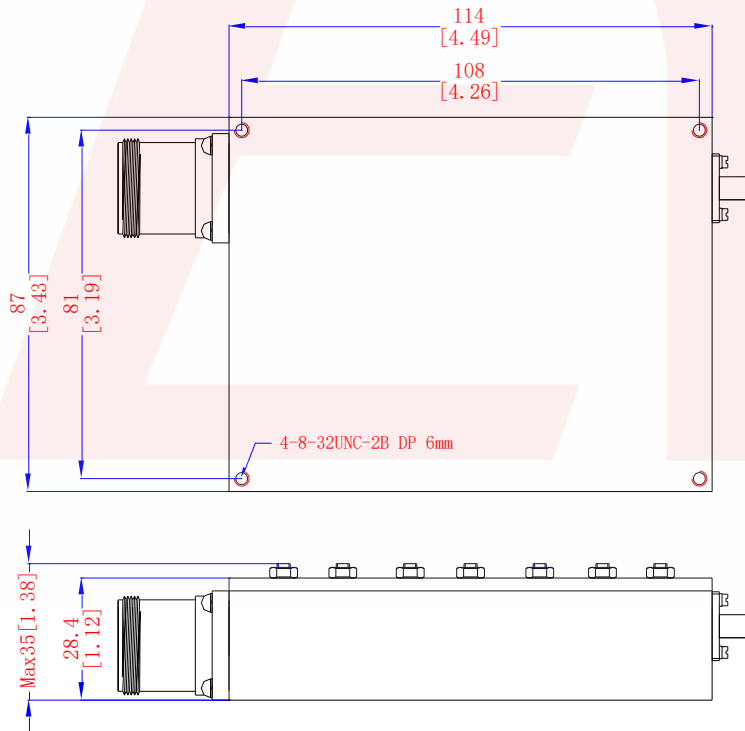
## Mechanical

**Mounting Method:** 8-32 Threaded Holes  
**Connector Type:** SMA Female  
**Dimensions:** 4.49 x 3.43 x 1.38 max  
 114 x 87 x 35 max mm

## Environmental

**Operating Temperature:** -40°C to +70°C  
**Storage Temperature:** -55°C to +85°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:

