



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

# 5710-5730 MHz Cavity Band Pass Filter

Part Number: **AE5720B11891**



## Electrical Specifications

**Center Frequency (Fo):** 5720 MHz  
**Passband (PB):** 5710-5730 MHz  
**Insertion Loss:** 2.5 dB Max. @ Fo  
**Insertion Loss:** 3.5 dB Max. @ 5710 MHz & 5730 MHz  
**Return Loss in PB:** 14 dB Min  
**Rejection1:** 60 dB Min @ DC-5700 MHz  
**Rejection2:** 60 dB Min @ 5740 MHz  
**Impedance:** 50 Ohms  
**Power Handling:** 50 W CW max

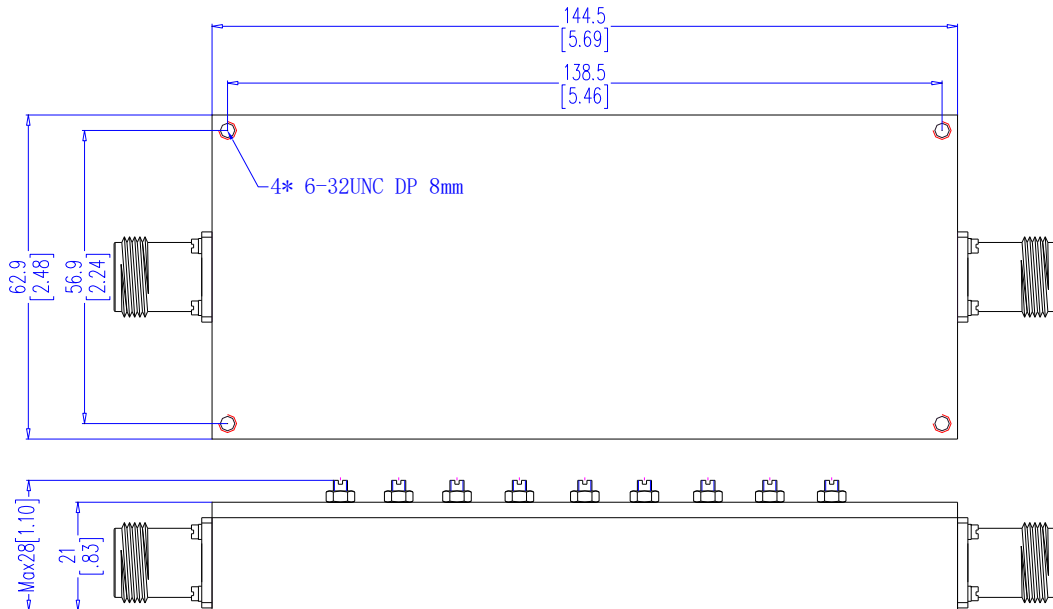
## Mechanical

**Mounting Method:** 6-32 Threaded Holes  
**Connector Type:** N (F)  
**Dimensions:** 5.69" x 2.48" x 1.10" max  
 144 x 63 x 29 (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:

