



# 690 MHz Cavity Band Pass Filter

**Part Number: AE690B11698**



## Electrical Specifications

**Center Frequency:** 690.5 MHz  
**Bandwidth:** 15 MHz  
**Passband Frequency (PB):** 683-698 MHz  
**Insertion Loss @ 690.5 MHz :** 2.0 dB Max  
**Return Loss :** 14 dB Min.  
**Rejection1:** 40 dB Min. @ 682.1 MHz  
**Rejection2:** 40 dB Min. @ 698.9 MHz  
**Power Handling:** 50 W  
**Input / output Impedance:** 50 Ohms

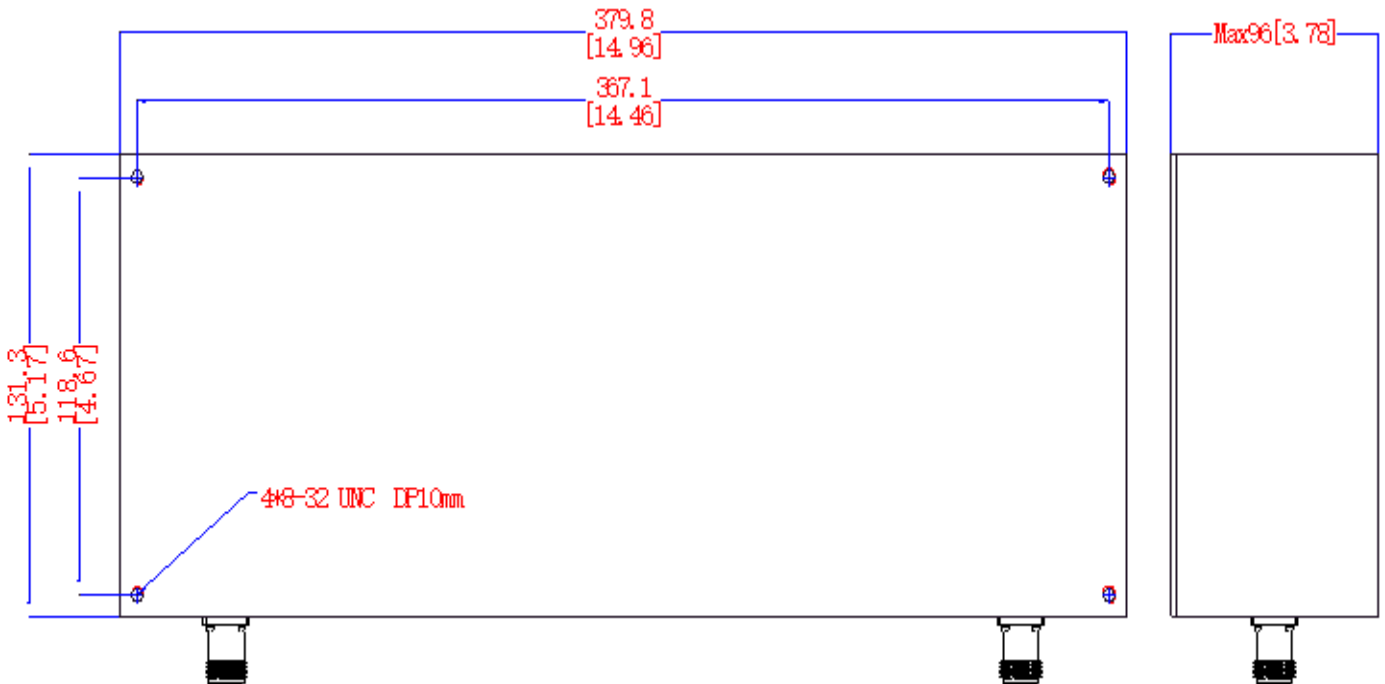
## Mechanical

**Mounting Method:** Threaded Holes  
**Connector Type:** N-type(F)  
**Dimensions:** 14.96 x 5.17 x 3.78 in.  
 379.8 x 131.3 x 96 mm.

## Environmental

**Operating Temperature:** -40°C to +80°C  
**Storage Temperature:** -55°C to +95 °C  
**Shock:** 20G. 11ms  
**Vibration:** 20G 0.5 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.