



# 510 MHz Cavity Bandpass Filter

**Part Number: AE510B11685**



## Electrical Specifications

**Center Frequency:** 510 MHz  
**Bandwidth:** 12 MHz  
**Passband:** 505-516 MHz  
**Insertion Loss:** 1.0 dB Max  
**VSWR:** 1.4:1 Max  
**Rejection:** 60 dB Min. @ 450-470 MHz  
**Power Handling:** 30 W

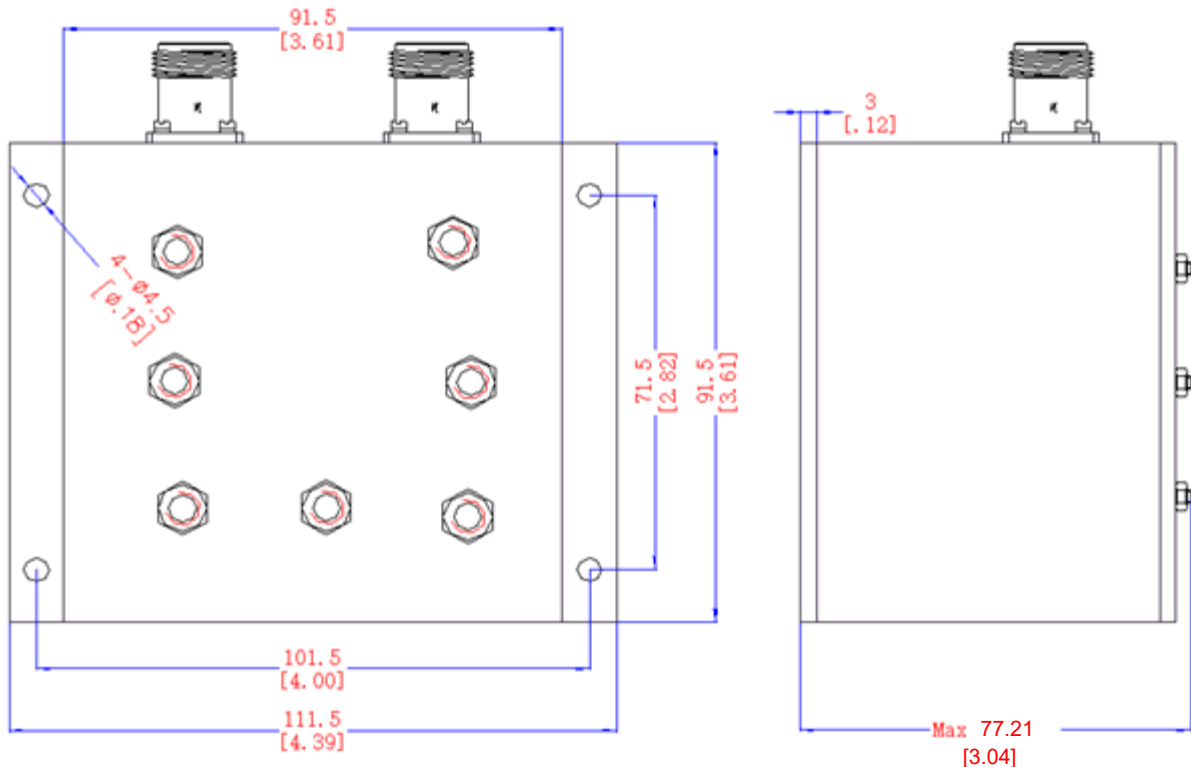
## Mechanical

**Mounting Method:** Through Holes  
**Connector Type:** N-Type (F)  
**Dimensions:** 4.39 x 3.61 x 3.04 Inches

## Environmental

**Operating Temperature:** -30 to +75° C  
**Storage Temperature:** -30 to +85° C  
**Weather proof level:** IP65  
**MTBF:** 15,000 Hours

## Outline Drawing:



2 decimal places: +/- 0.01 inches [+/- 0.3mm]  
 3 decimal places: +/- 0.005 inches [+/- 0.13mm]  
 Angles: +/- 1 Deg.

When max dimensions are called out the above tolerances do not apply as long as it is under the max call out.