



# 8210 MHz Cavity Band Pass Filter

Part Number: AE8210B11689



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

## Electrical specifications

**Center Frequency:** 8210MHz  
**Bandwidth:** 60 MHz  
**Passband:** 8180-8240MHz  
**Insertion Loss:** 1.0 dB Max  
**Ripple:** 0.5 dB Max.  
**Return Loss:** 15 dB Min.  
**Rejection 1:** 60 dB Min. @ 4105 MHz  
**Rejection 2:** 60 dB Min. @ 12315 MHz  
**Impedance:** 50 Ω  
**Power Handling:** 20 Watts

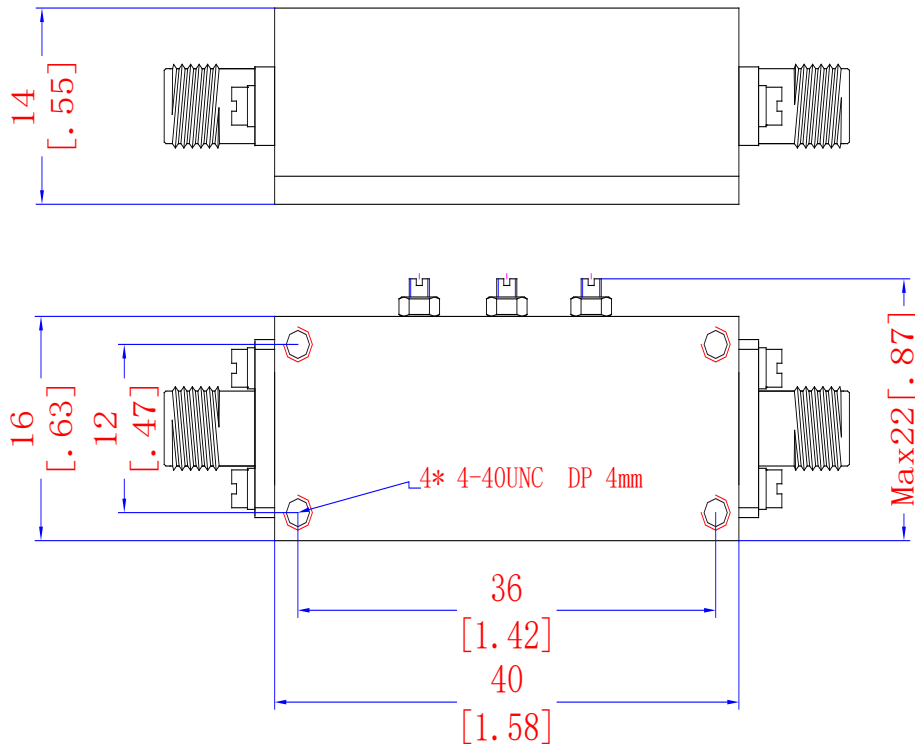
## Mechanical

**Mounting Method:** Threaded Holes  
**Connector Type:** SMA(F)  
**Dimensions:** 1.58 x 0.87 x 0.55 in.

## 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.