



### Electrical specifications

**Center Frequency:** 1187.5 MHz  
**Pass Band:** 1125-1250 MHz  
**Insertion loss:** 1.0 dB Max  
**Return loss:** 15 dB Min  
**Rejection 1:**  $\geq 40\text{dB}@1087.5\text{MHz}$   
**Rejection 2:**  $\geq 50\text{ dB @ } 925\text{-}1050\text{ MHz}$   
**Rejection 3:**  $\geq 40\text{ dB}@1287.5\text{MHz}$   
**Rejection 4:**  $\geq 50\text{ dB @ } 1325\text{-}1450\text{ MHz}$   
**Power Handling:** 25 W

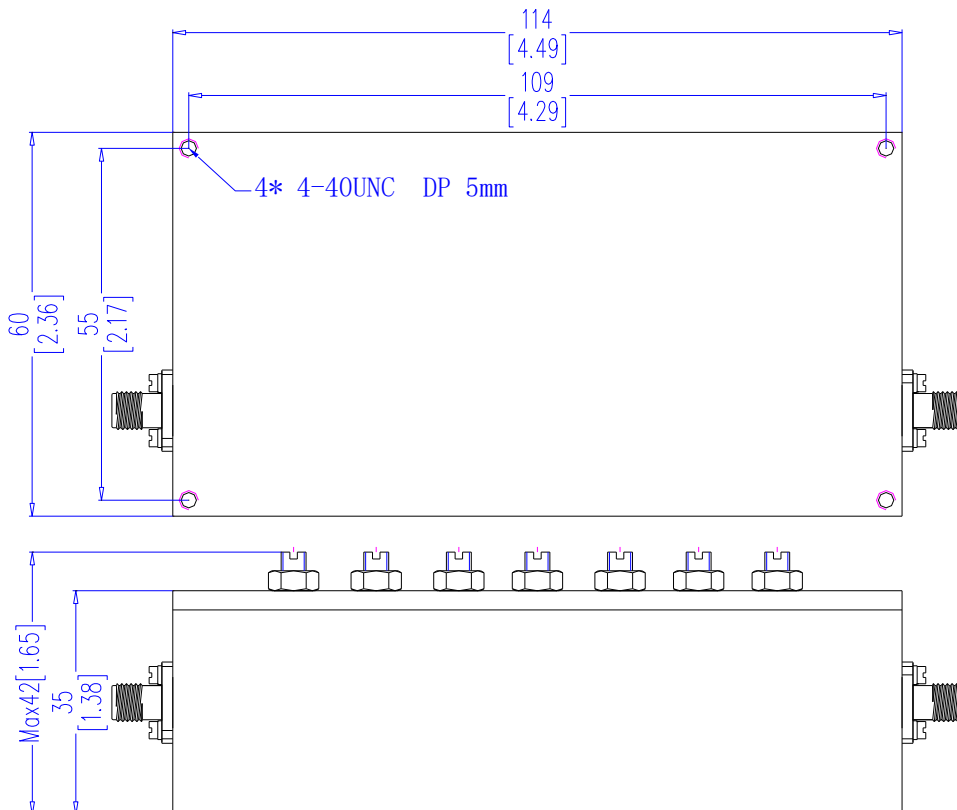
### Mechanical

**Mounting Method:** 4-40 Threaded Mounting Holes  
**Connector Type:** SMA Female  
**Dimensions:** 114 x 60 x 42 mm (4.45" x 2.35" x 1.65")

### Environmental

**Operating Temperature:** -50 to +85° C  
**Storage Temperature:** -65 to +95° C  
**Shock:** 20 G. 11ms  
**Vibration:** 20 G. 5 to 200 Hz

### Outline Drawing:





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

# 1187.5 MHz Cavity Bandpass Filter

Part Number: AE1187B11859



## Simulation plot

