



# 1825.5 MHz Cavity Band Pass Filter



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

**Part Number: AE1825B11638**

## Electrical Specifications

**Center Frequency:** 1825.5 MHz  
**Bandwidth:** 350.5 MHz  
**Insertion Loss:** 1.0 dB Max.  
**Return Loss:** 14 dB Min.  
**Rejection1:** ≥ 60 dB @ DC-1400.5 MHz  
**Rejection2:** ≥40 dB @ 1500.5 MHz  
**Rejection3:** ≥40 dB @ 2200.5 MHz  
**Rejection4:** ≥60 dB @ 2300.5-3500 MHz  
**Power Handling:** 20 W  
**Impedance:** 50 Ohms

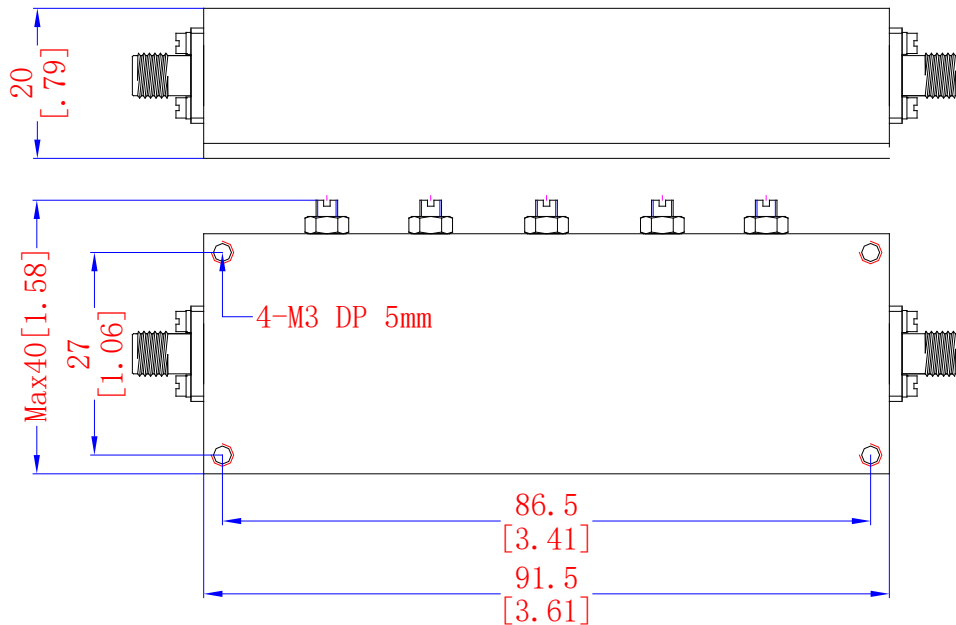
## Mechanical

**Mounting Method:** 4-M3 Threaded Holes  
**Connector Type:** SMA(F)  
**Dimensions:** 3.61" X 1.58" x 0.79" .

## Environmental

**Operating Temperature:** -25°C to +70°C  
**Storage Temperature:** -40°C to +90°C  
**Shock:** 20 G. 11ms  
**Vibration:** 20 G. 5 to 200Hz

## 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.*

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## Response Plot:

