



# 1800 MHz Cavity Bandpass Filter

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

**Part Number: AB1800B492-S**



## Electrical specifications

**Operating bandwidth:** 1750-1850 MHz  
**Passband Insertion loss:** 0.25 dB max  
**Passband VSWR:** 1.25:1 max  
**Rejection Frequency 1:** 30 dB@2200-3500 MHz  
**Rejection Frequency 2:** 70 dB@3500-3700 MHz  
**Rejection Frequency 3:** 20 dB@5250-5550 MHz  
**Power Handling:** 750 Watts CW Max

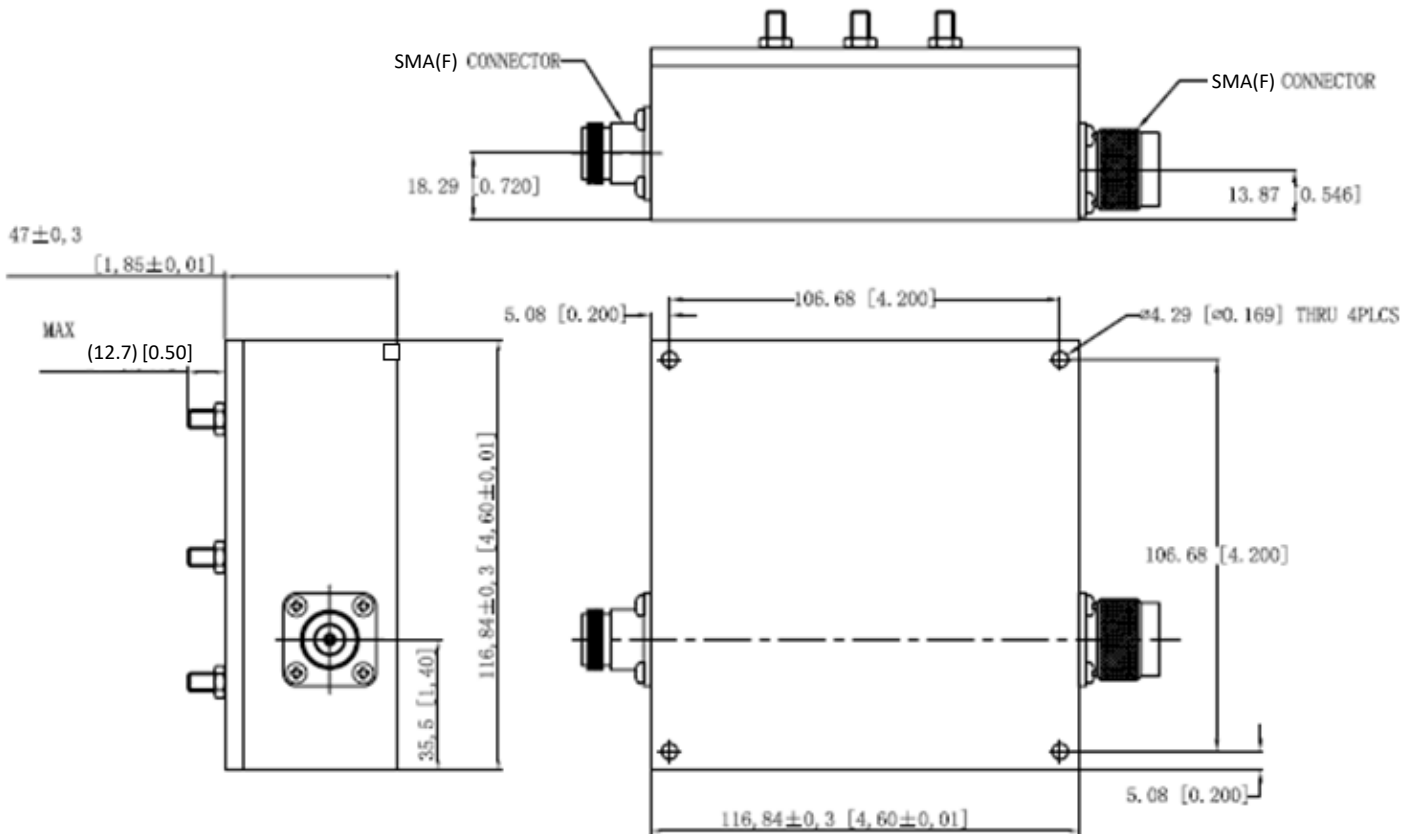
## Mechanical

**Mounting Method:** Threaded Mounting Holes  
**Connector Type:** SMA(F)  
**Dimensions:** 4.60" X 4.60" X 1.85" .

## Environmental

**Operating Temperature:** -45° C to +85° C  
**Storage Temperature:** -55° C to +95° C  
**Shock:** 20 G. 11ms  
**Vibration:** 20 G. 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.



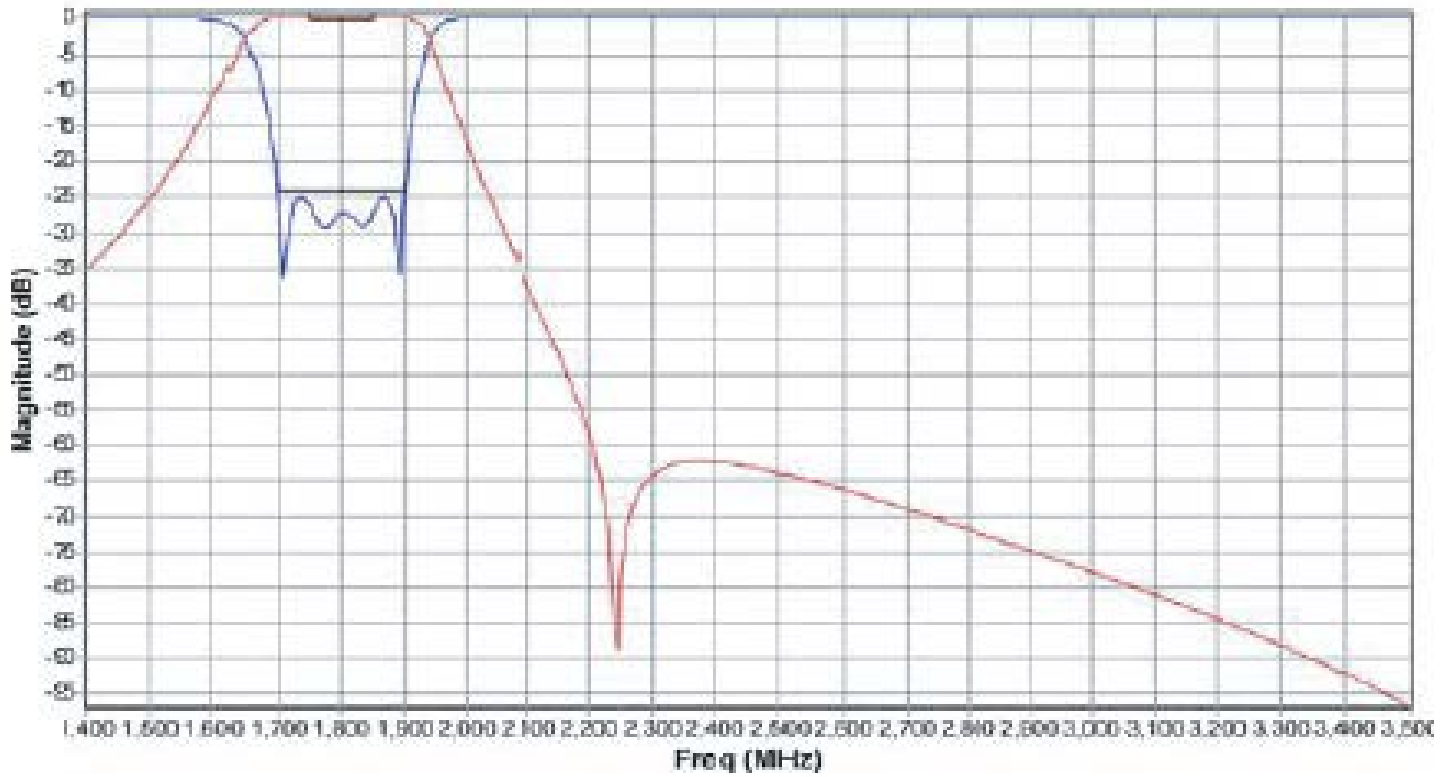
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## Simulation Plot:



**Note:** This is a simulation plot. Actual results may differ once the product is implemented.

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