



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

# 3000 MHz Cavity Band Pass Filter

**Part Number: AE3000B11602**



## Electrical Specifications

**Center Frequency:** 3000 MHz  
**1dB Passband:** 2250 MHz to 3750 MHz  
**Insertion Loss:** 2.0dB Max.  
**Return Loss:** 12dB Min.  
**Rejection1:** ≥50dB @ 1000 MHz  
**Rejection2:** ≥ 50dB @ 5000 MHz  
**Impedance:** 50 Ohms  
**Power Handling:** 1 W

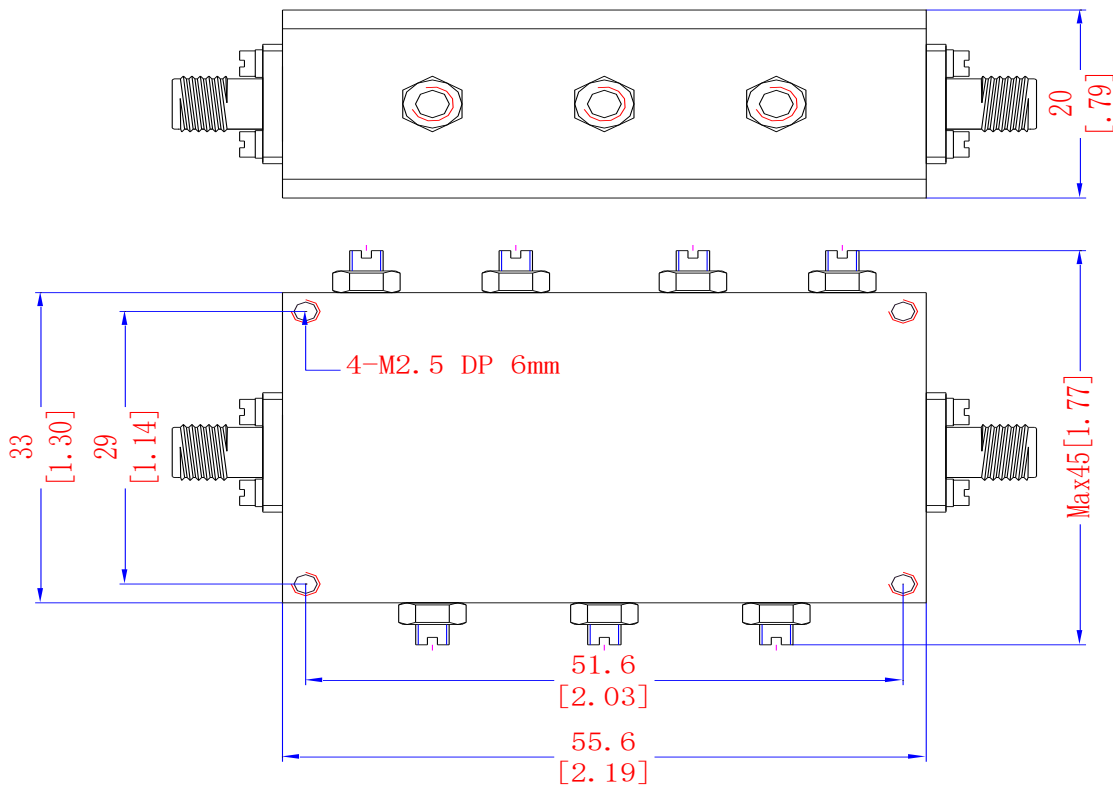
## Mechanical

**Mounting Method:** Threaded Holes M2.5 X 6mm DP  
**Connector Type:** SMA(F)  
**Dimensions:** 2.19 X 1.30 X 0.79 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.

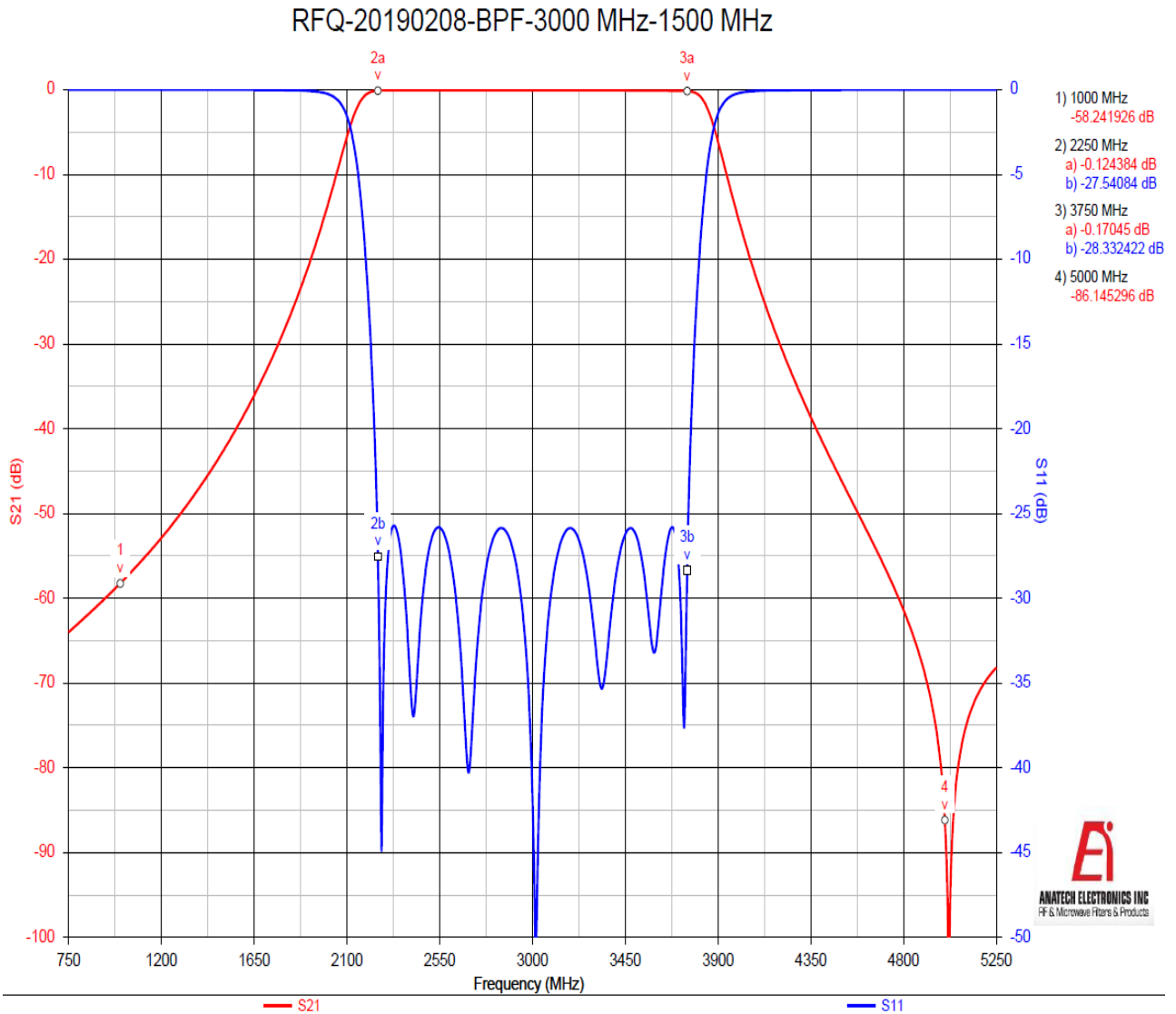
\*When max dimensions are called out the above tolerances do not apply as long as it is under the max call out.

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### Simulation Plot:



Note: This is a simulation Plot. Actual response plot might differ once product is manufactured.