



# 4800-5000 MHz Cavity Band Pass Filter

Part Number: AE4900B11838



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

## Electrical Specifications

**Center Frequency:** 4900 MHz  
**Passband:** 4800-5000 MHz  
**Insertion Loss:** In Passband  $\leq$  1dB  
**Return Loss:** In Passband 14 dB min.  
**Rejection1:**  $\geq$  70 dB @ 4600 MHz  
**Rejection2:**  $\geq$ 70 dB @ 5100 MHz  
**Power Handling:** 80 Watts CW Max  
**Impedance:** 50 Ohms

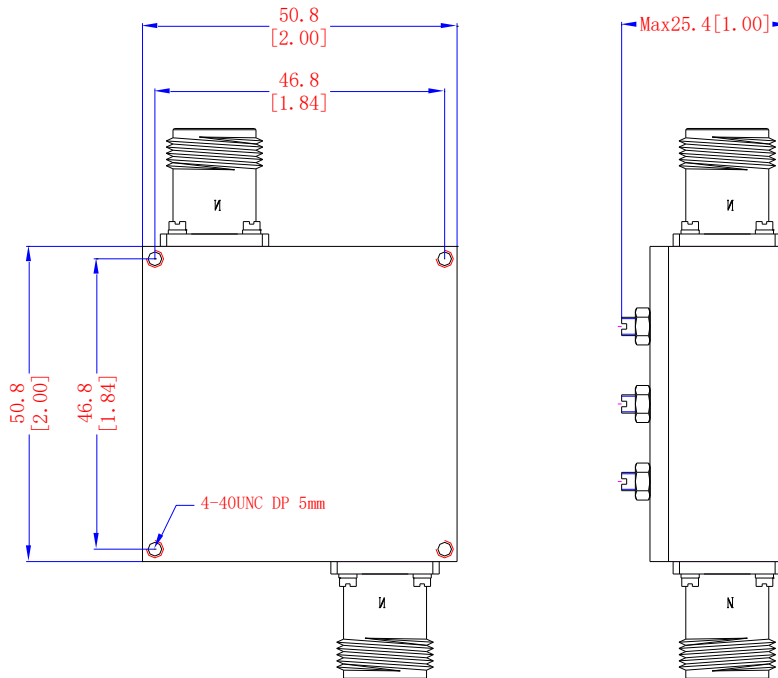
## Mechanical

**Mounting Method:** 4-40 Threaded holes  
**Connector Type:** N Type (F) In/Out  
**Dimensions:** 2" x 2" x 1"  
50.8 x 50.8 x 25.4mm

## Environmental

**Operating Temperature:** -40°C to +70°C  
**Storage Temperature:** -55°C to +95°C  
**Shock:** 20 G. 11ms  
**Vibration:** 20 G 0.5 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.

70 Outwater Lane Phone: (973) 772-4242  
Garfield, NJ 07026 Fax : (973) 321-3941

Email: [sales@anatechelectronics.com](mailto:sales@anatechelectronics.com)  
Web: [www.anatechelectronics.com](http://www.anatechelectronics.com)



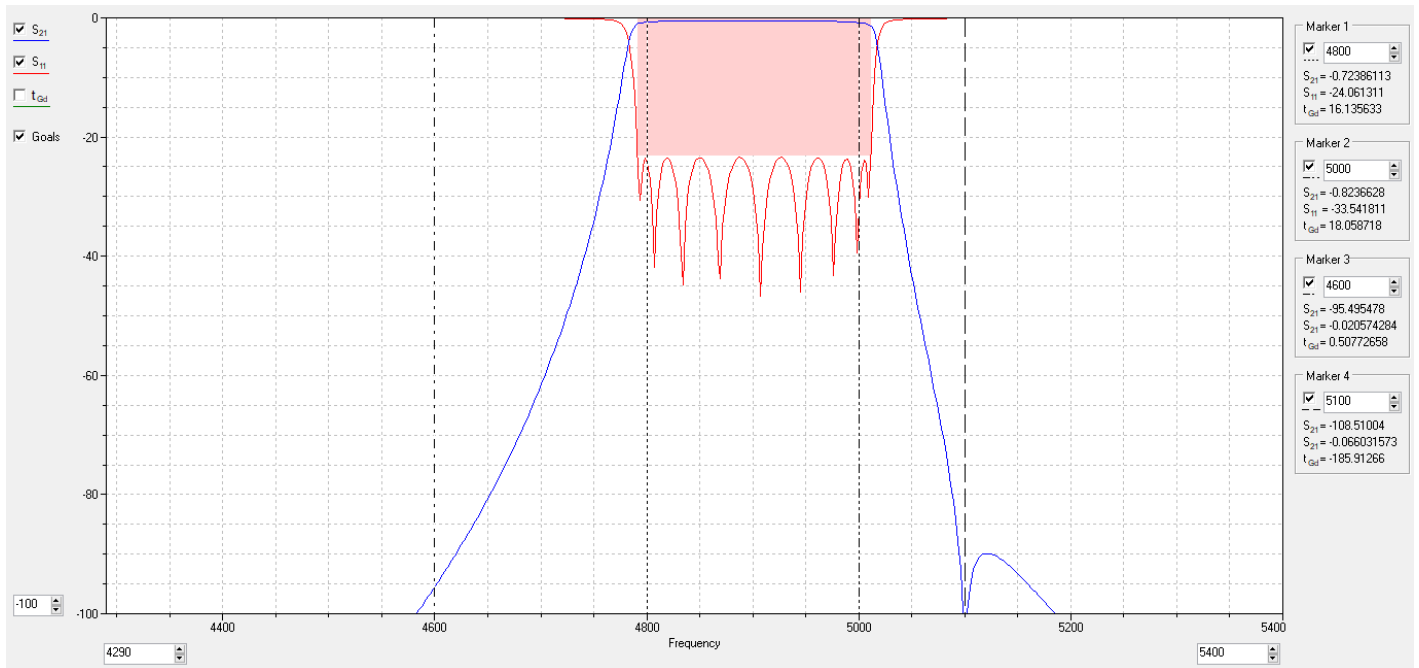
**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products

# 4400-4600 MHz Cavity Band Pass Filter

Part Number: AE4500B11837



## Simulated Response Plot



Note: This is a simulated response plot, actual results may differ.

70 Outwater Lane Phone: (973) 772-4242  
Garfield, NJ 07026 Fax : (973) 321-3941

Email: [sales@anatechelectronics.com](mailto:sales@anatechelectronics.com)  
Web: [www.anatechelectronics.com](http://www.anatechelectronics.com)