



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

# 4300 MHz Cavity Band Pass Filter

**Part Number: AE4300B12046**



## Electrical Specifications

**Center Frequency:** 4300 MHz  
**Passband:** 4200 – 4400 MHz  
**Insertion Loss:** 0.8 dB Max.  
**Return Loss:** 15 dB Min  
**Rejection:** 60 dB Min @ 3915 MHz  
**Rejection:** 60 dB Min @ 4460 MHz  
**Impedance:** 50 Ohms In/Out  
**Power Handling:** 30 W CW Max

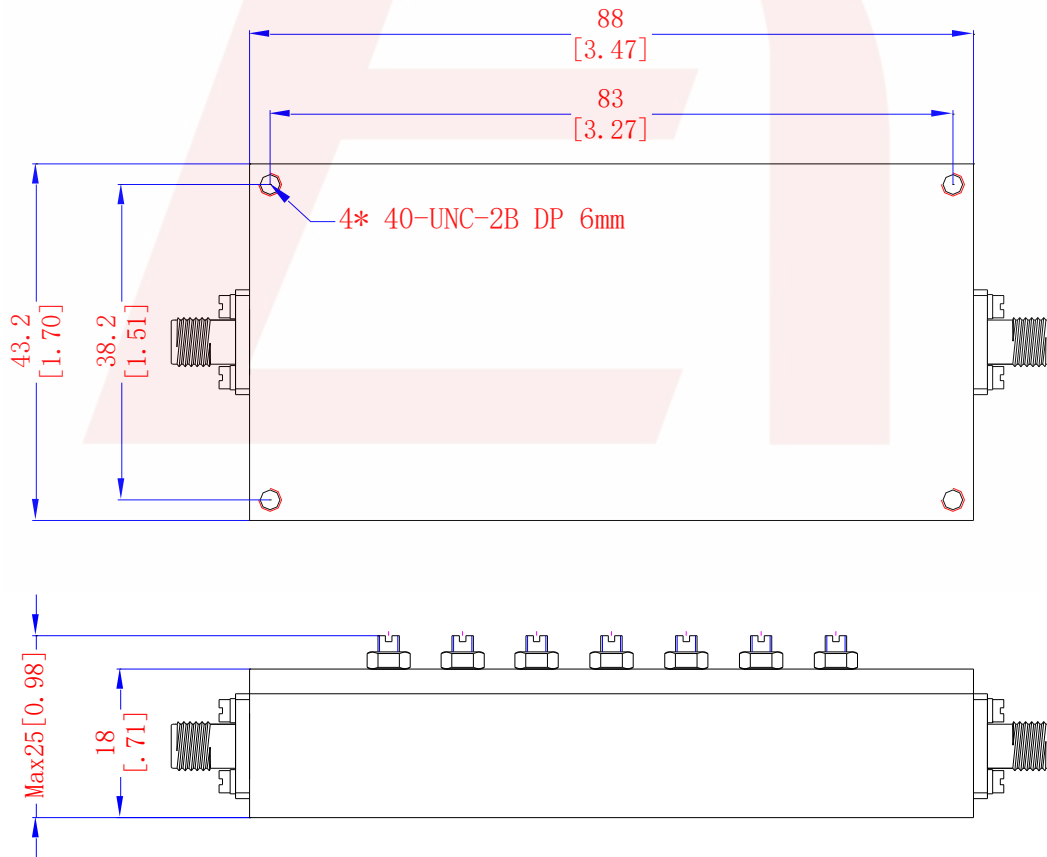
## Mechanical

**Connector Type:** SMA Female  
**Dimensions:** 3.47 x 1.70 x 0.98 in.  
 88 x 43.2 x 25 mm

## 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.

DS-B12046-09282023-Rev0

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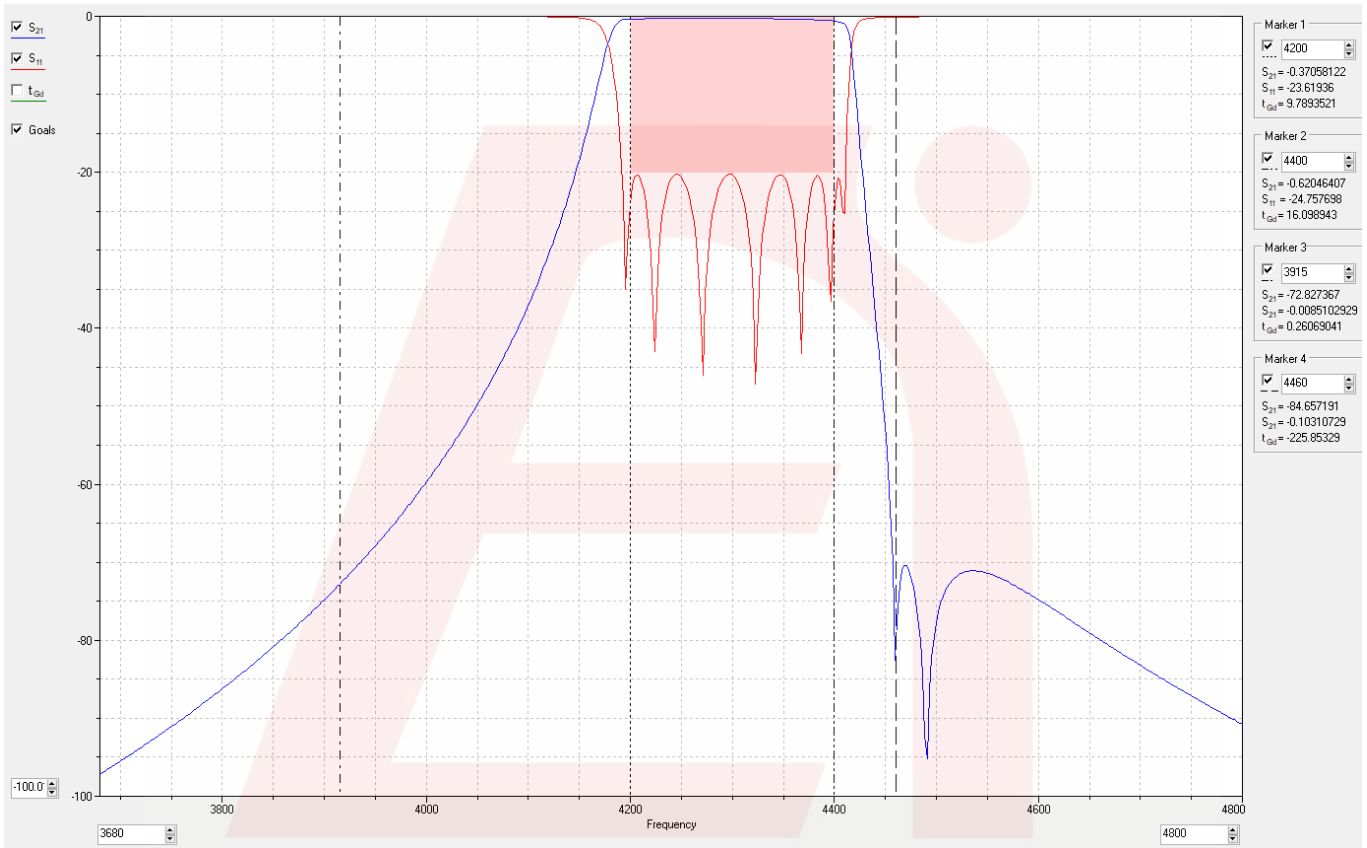
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## Simulated Plot:



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

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