



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

# 3000 MHz Cavity Band Pass Filter

**Part Number: AE3000B12044**



## Electrical Specifications

**Center Frequency:** 3000 MHz  
**Passband:** 2900 – 3100 MHz  
**Insertion Loss:** 0.7 dB Max.  
**Return Loss:** 15 dB Min  
**Rejection:** 40 dB Min @ 2705 MHz  
**Rejection:** 40 dB Min @ 3245 MHz  
**Impedance:** 50 Ohms In/Out  
**Power Handling:** 20 W CW Max

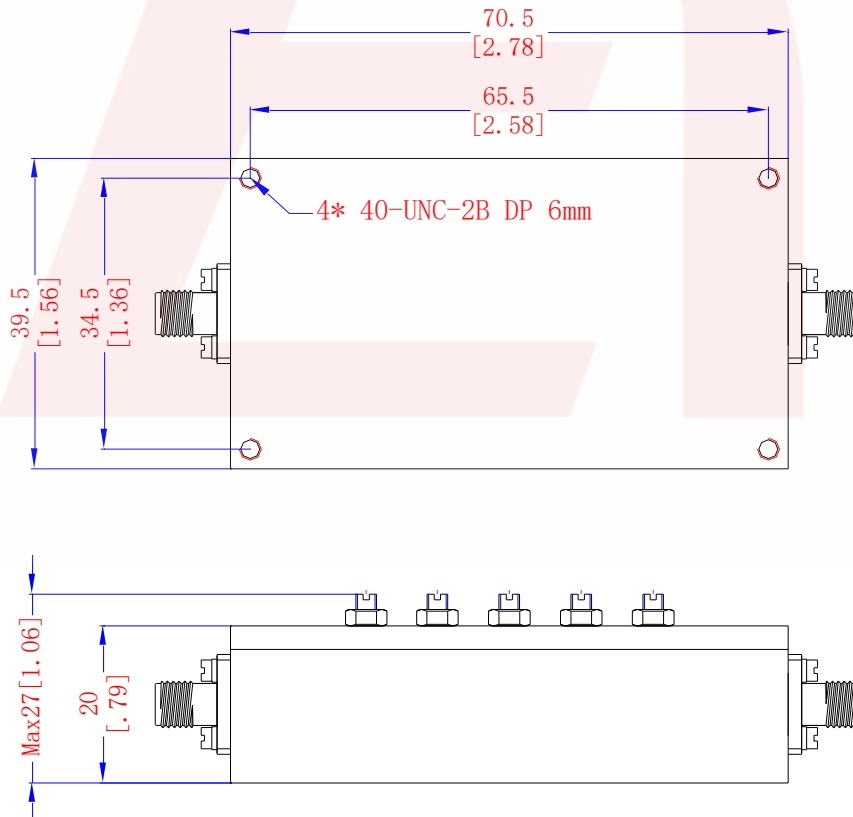
## Mechanical

**Connector Type:** SMA Female  
**Dimensions:** 2.78 x 1.56 x 1.06 in.  
 70.5 x 39.5 x 27 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-B12044-09282023-Rev0

**70 Outwater Lane Phone: (973) 772-4242**  
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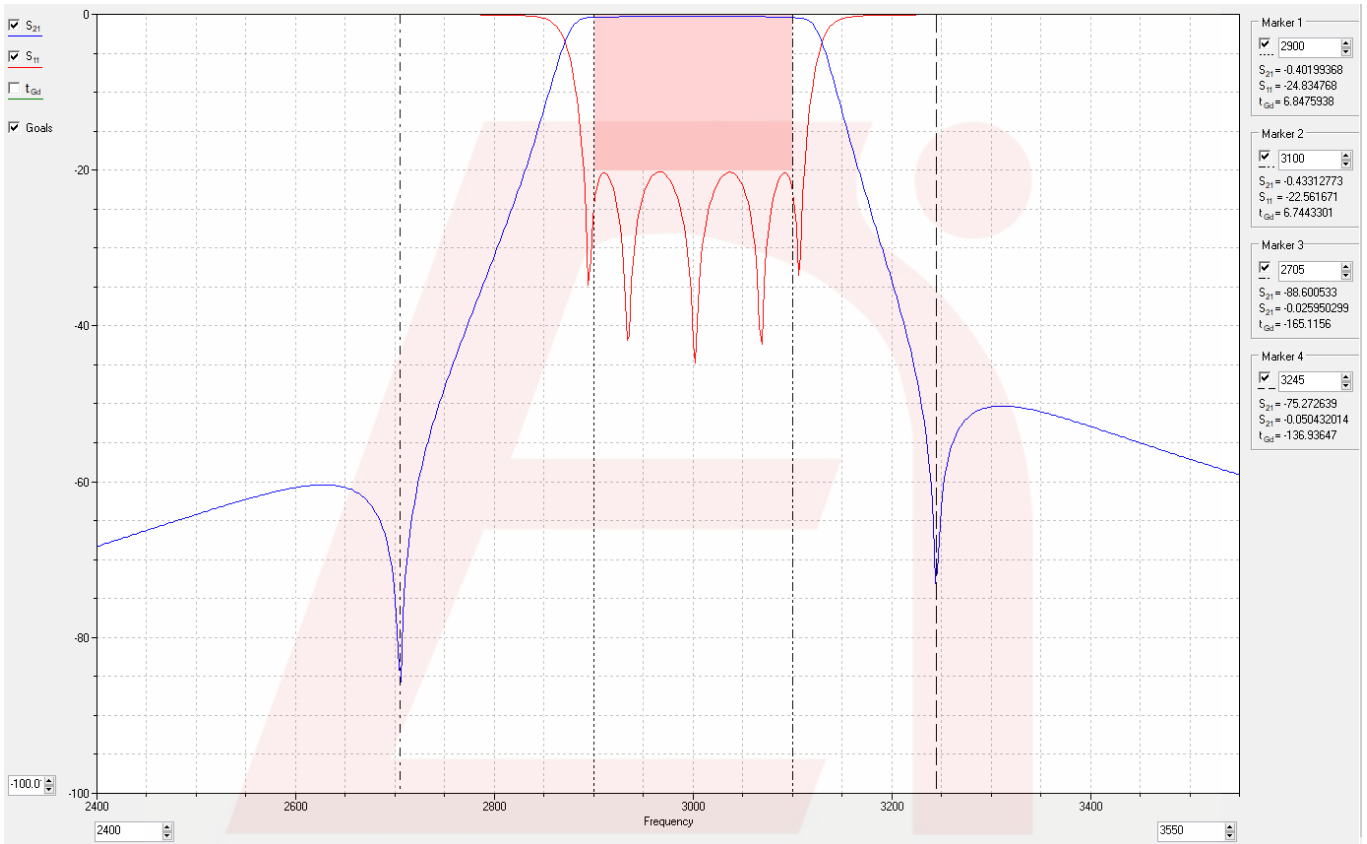
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## Simulated Plot:



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

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