



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

# 680.5 MHz Cavity Band Pass Filter

**Part Number: AE680B11641**



## Electrical Specifications

**Center Frequency:** 680.5 MHz  
**Bandwidth:** 35 MHz  
**Insertion Loss:** 2.0 dB Max.  
**Ripple:** 2.0dB Max.  
**Return Loss:** 15 dB Min.  
**Rejection1:** ≥ 50 dB @ 653 MHz  
**Rejection2:** ≥50 dB @ 708 MHz  
**Power Handling:** 50 W  
**Impedance:** 50Ohms

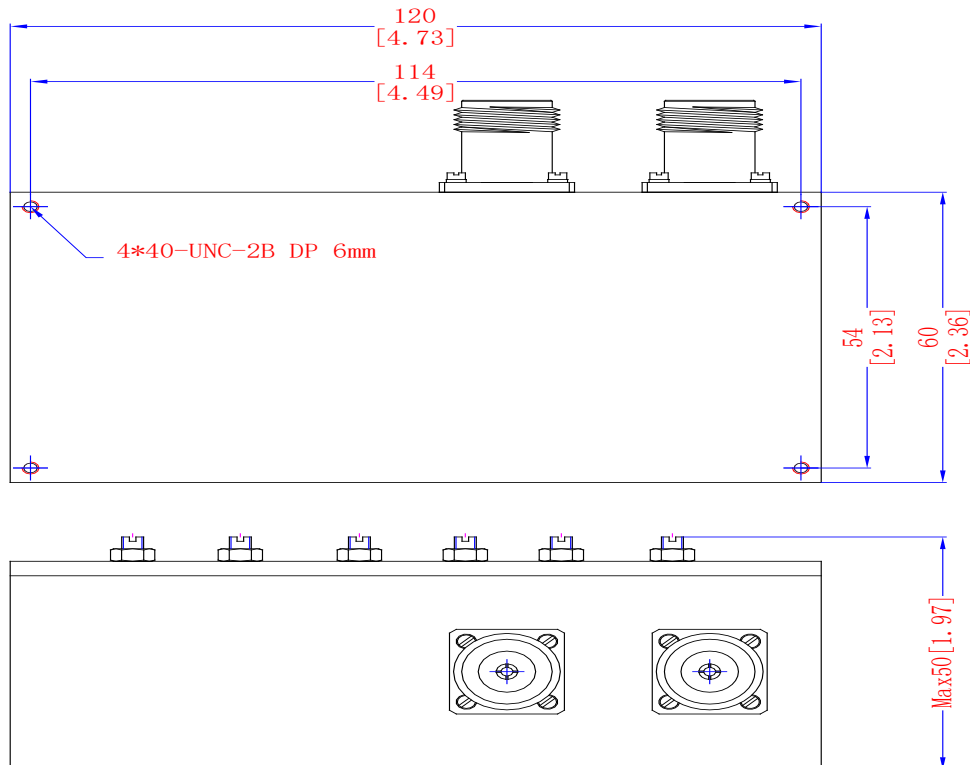
## Mechanical

**Mounting Method:** 4-40 Threaded Holes  
**Connector Type:** N-Type(F)  
**Dimensions:** 4.73" X 2.36" x 1.97" .

## Environmental

**Operating Temperature:** -25°C to +70°C  
**Storage Temperature:** -40°C to +90°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.

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

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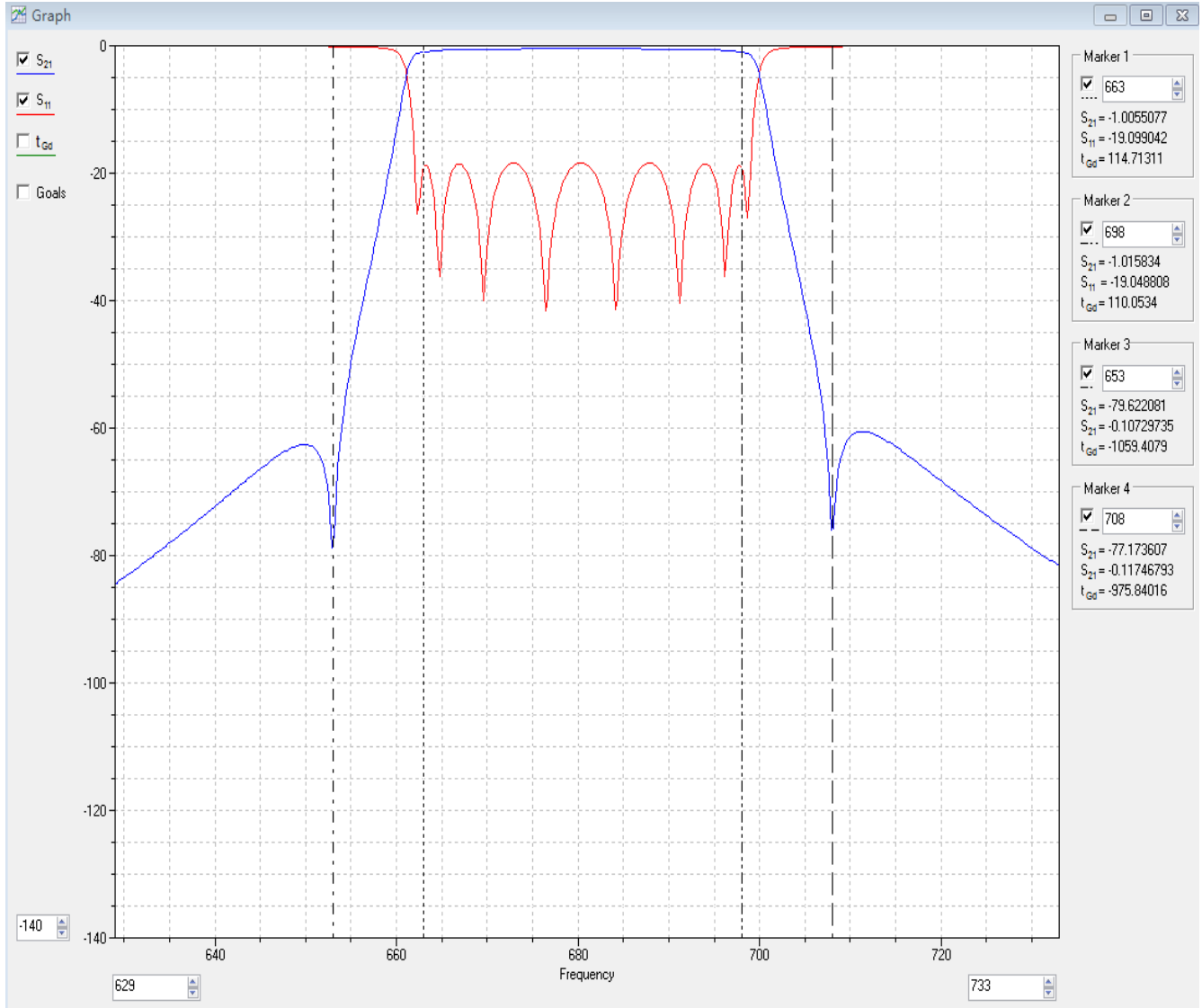
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## Simulation Plot:



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

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