



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

# 915 MHz Cavity Band Pass Filter

**Part Number: AE915B11737**



## Electrical Specifications

**Center Frequency:** 915 MHz  
**Passband:** 902-928 MHz  
**Insertion Loss 1:** 1.0 dB Max @ 902 MHz  
**Insertion Loss 2:** ~ 3.0 dB @ 928 MHz  
**Return Loss:** 14.0 dB Min.  
**Rejection1:** 40 dB Min @ 894 MHz  
**Rejection2:** 35 dB Min @ 929.5-930.5 MHz  
**Power Handling:** 50 W CW  
**Input / output Impedance:** 50 Ohms

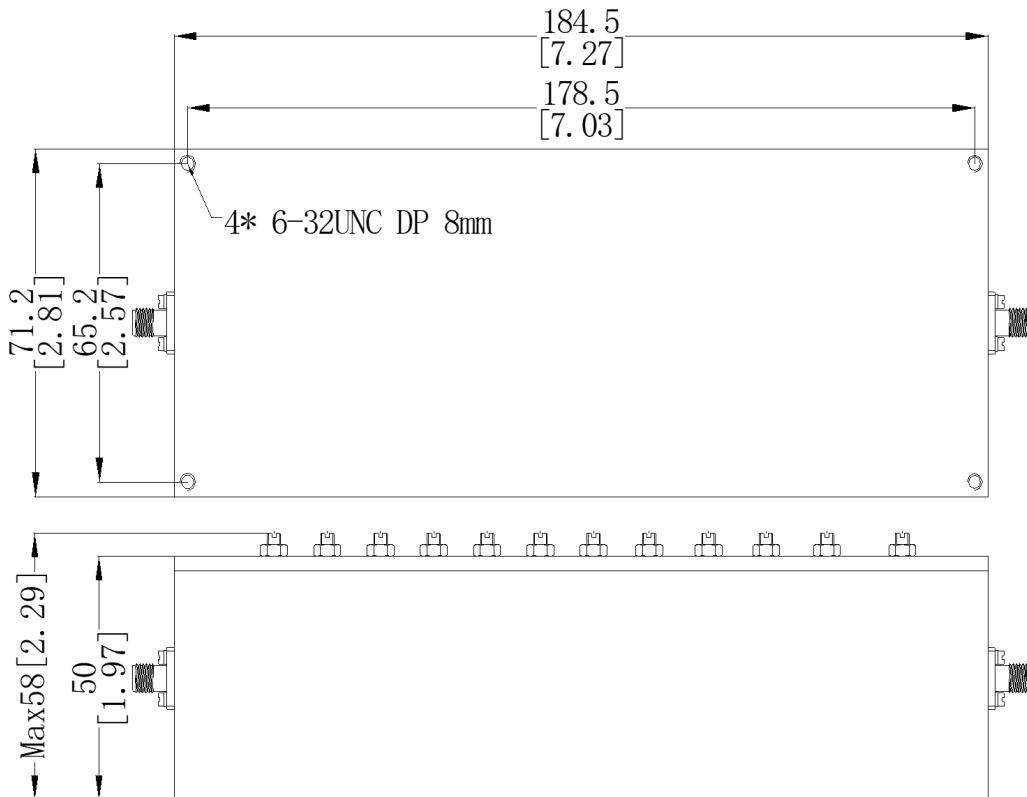
## Mechanical

**Mounting Method:** Threaded Holes  
**Connector Type:** SMA(F)  
**Dimensions:** 7.27" X 2.81" x 2.29"  
**Dimensions:** 184.5 X 71.2 X 58 mm

## Environmental

**Operating Temperature:** -20°C to +60°C  
**Storage Temperature:** -45°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.

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

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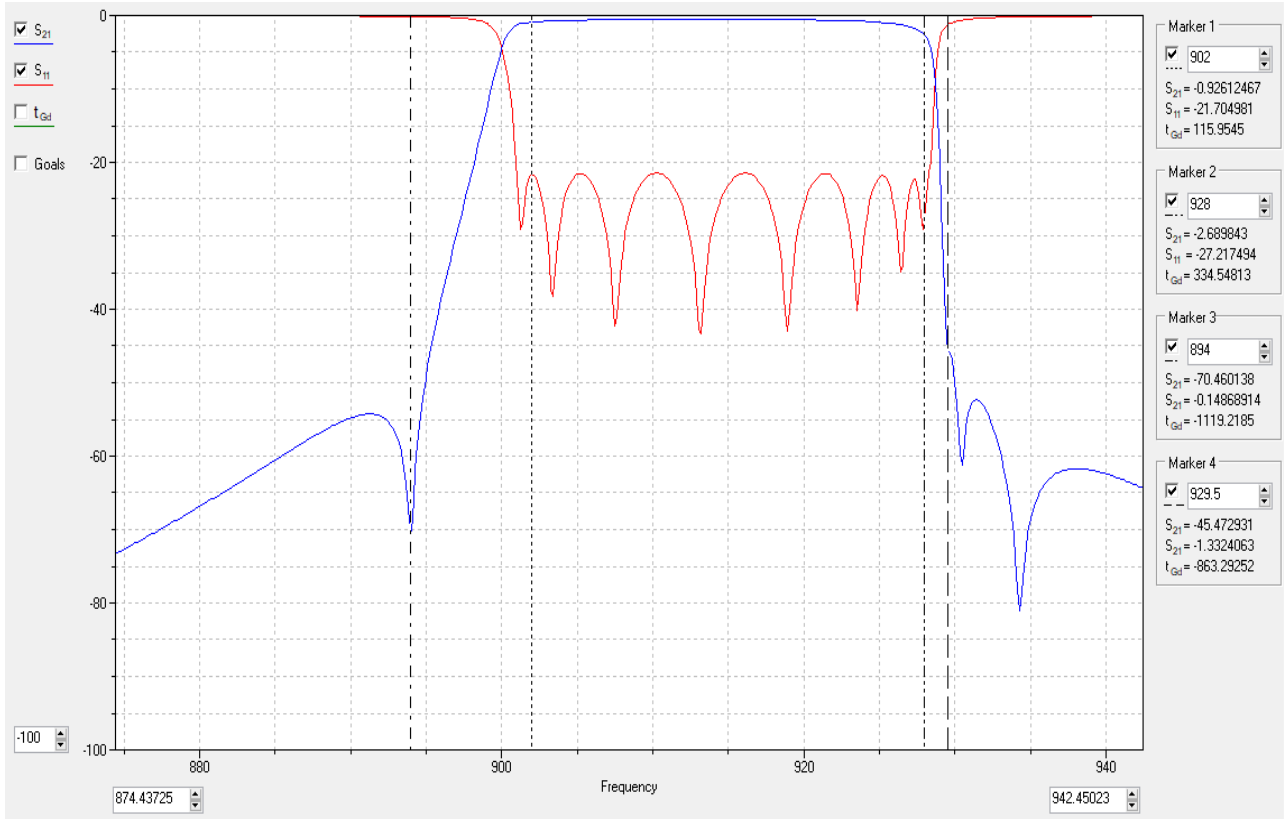
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## Simulation Plot:



Note: This is a simulated response plot. Actual performance might differ.

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