



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

# 10100 MHz Cavity Band Pass Filter

**Part Number: AE10100B11647**



## Electrical Specifications

**Center Frequency:** 10100 MHz  
**Bandwidth:** 100 MHz  
**Pass Band:** 10050 – 10150 MHz  
**Insertion Loss:** 1.0 dB Max.  
**Return Loss:** 14 dB Min.  
**Rejection:** ≥ 30 dB @ 9900 MHz  
**Rejection:** ≥ 30 dB @ 10300 MHz  
**Power Handling:** 30 W  
**Impedance:** 50 Ohms

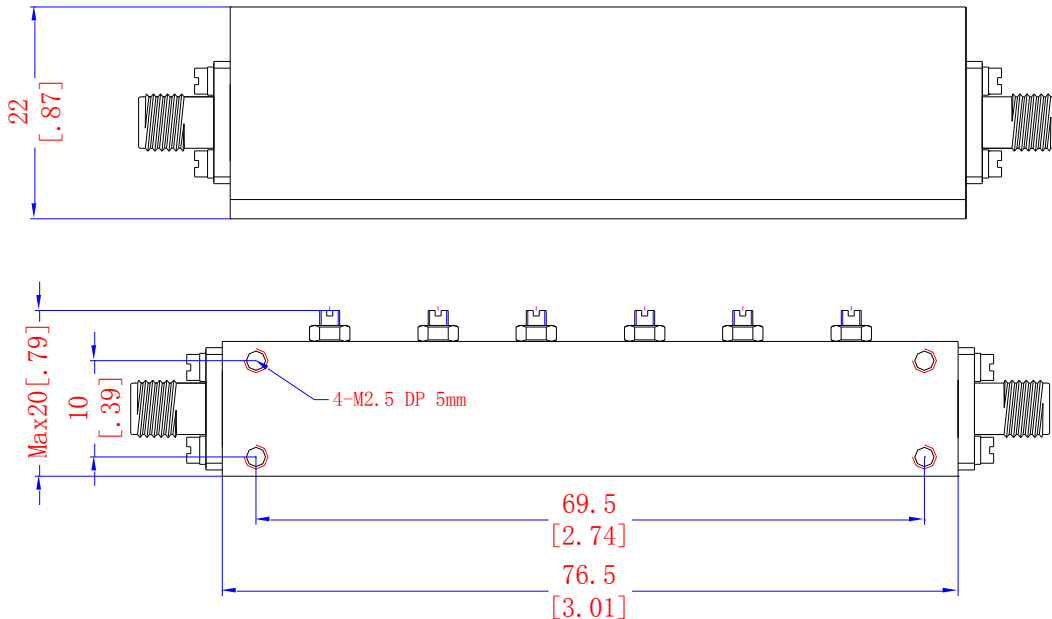
## Mechanical

**Connector Type:** SMA Female  
**Dimensions:** 3.01" X 0.87" x 0.79" .

## Environmental

**Operating Temperature:** -55°C to +85°C  
**Storage Temperature:** -55°C to +125°C  
**Shock:** 10 G. 11ms  
**Vibration:** 10 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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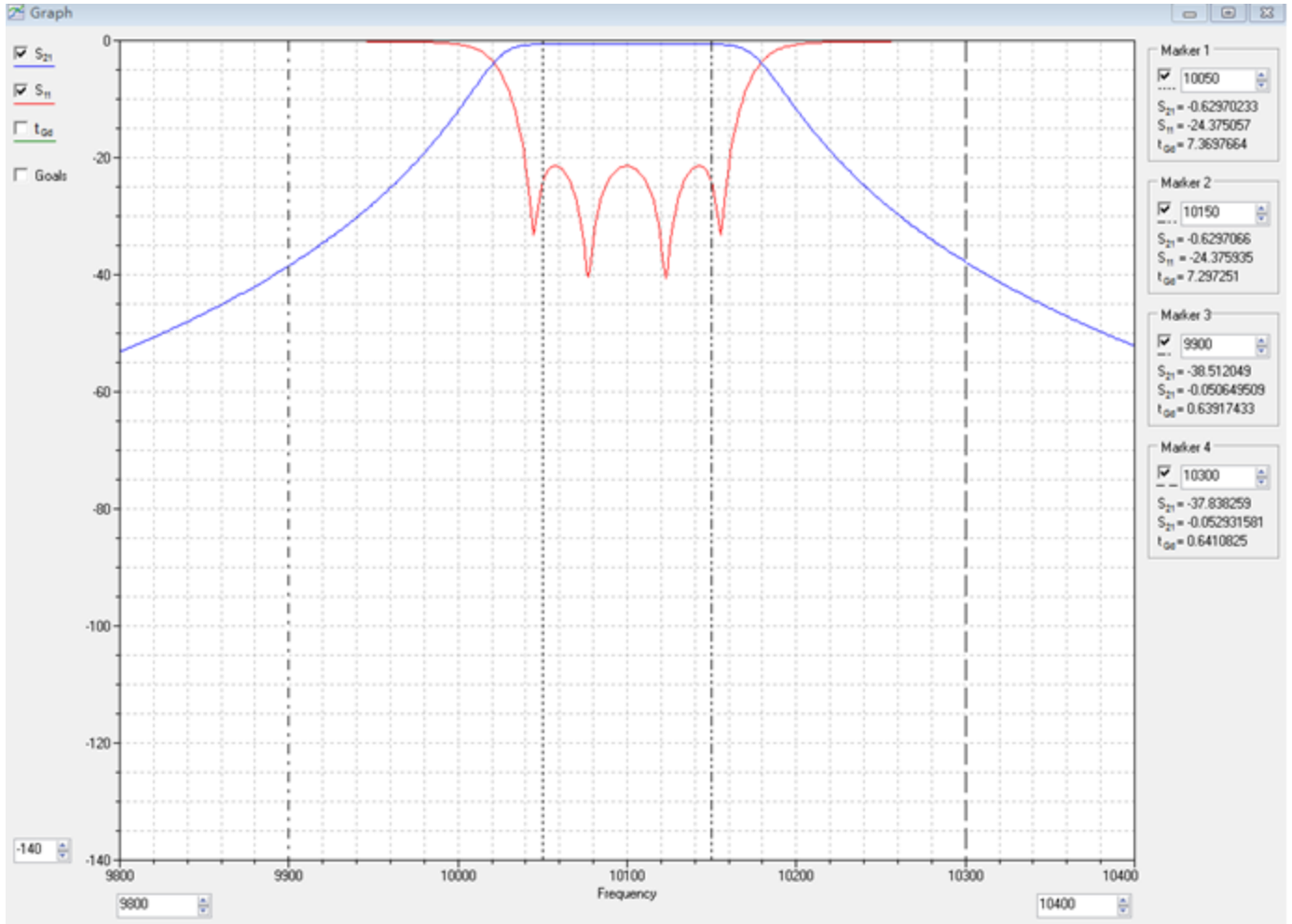
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## Simulation Plot:



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

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