



# 902 MHz ISM Cavity Notch Filter



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

**Part Number: AE902N2246**

## Electrical Specifications

- Notch Center Frequency:** 902 MHz
- Notch Frequency range:** 892-912MHz
- Notch Rejection:**  $\geq 40$ dB
- Passband low side of Notch:** DC-882 MHz
- Passband High side of Notch:** 922-2700 MHz
- Insertion loss in Passband:**  $\leq 0.75$  dB
- Return Loss in Passband:**  $\geq 14$  dB
- Input/output Impedance:** 50 Ohms
- Power Handling:** 75 Watts Max.

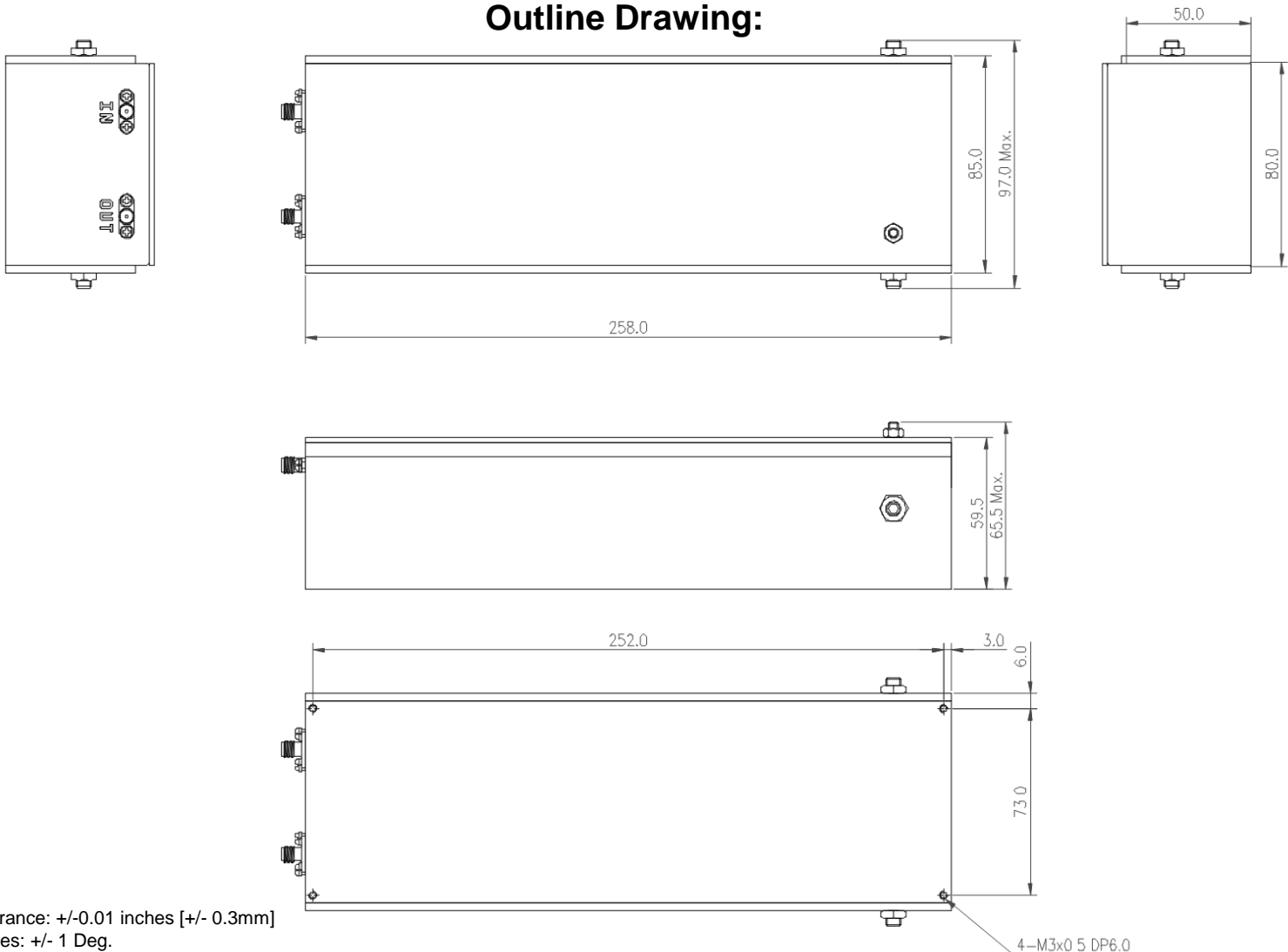
## Mechanical

- Mounting Method:** Threaded Holes
- Connector Type:** SMA(F)
- Dimensions:** 258 X 85 X 59.5 mm.
- Dimensions:** 10.15 X 3.35 X 2.35 in.

## Environmental

- Operating Temperature:** -20°C to +70°C
- Storage Temperature:** -40°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**

**Email: [sales@anatechelectronics.com](mailto:sales@anatechelectronics.com)**  
**Web: [www.anatechelectronics.com](http://www.anatechelectronics.com)**



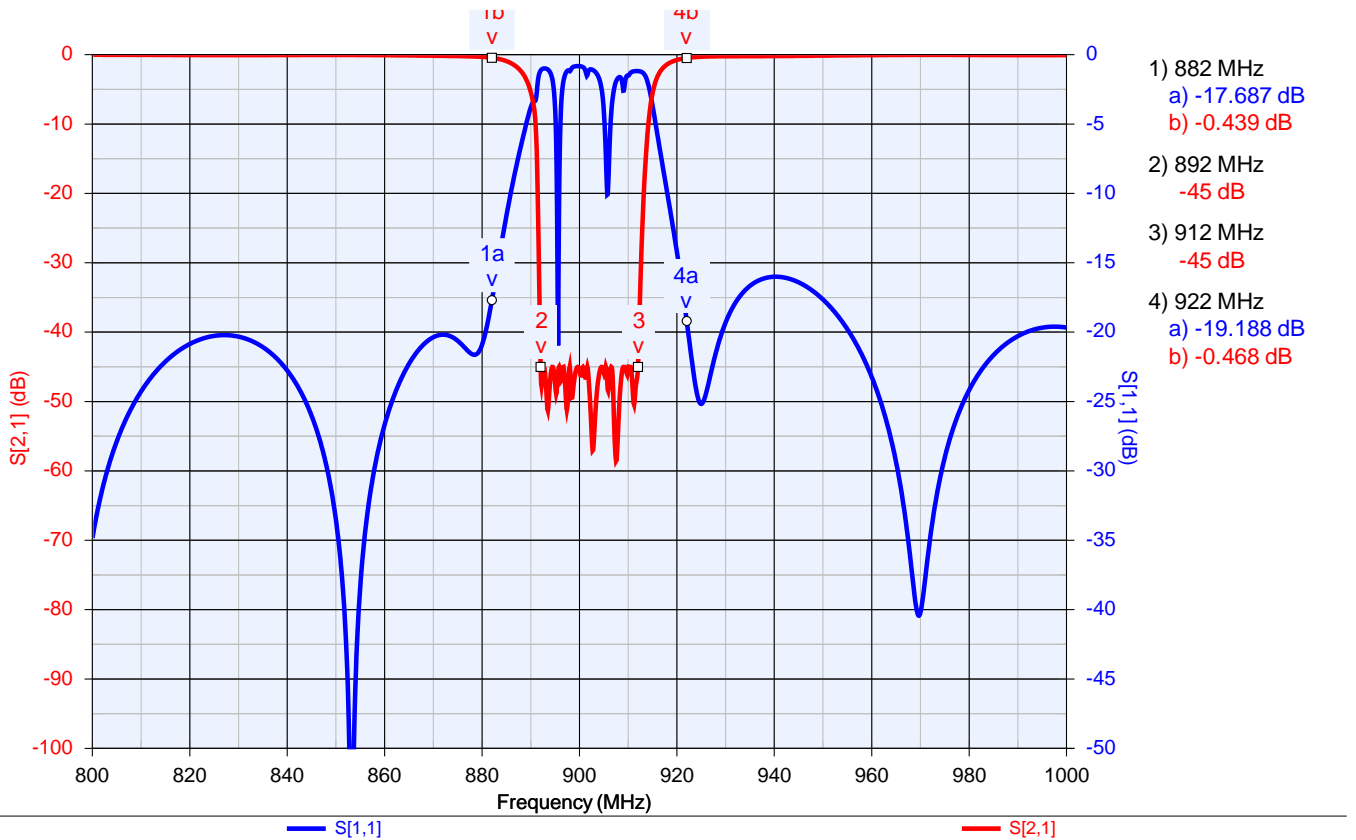
**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products

# DC-882 MHz / 922-2700 MHz Cavity Notch Filter

**Part Number: AE902N2246**



## Simulation Plot:



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