



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

# 1600 MHz Cavity Band Notch Filter

**Part Number: AE1600N2231**



## Electrical Specifications

**Notch Center Frequency:** 1600 MHz  
**Passband:** DC-1590MHz & 1610-2200 MHz  
**Insertion Loss:** 1.2 dB Max.  
**Return Loss:** 11 dB Min.  
**Rejection:**  $\geq 40$ dB @ 1597.5-1602.5 MHz  
**Impedance:** 50 Ohms  
**Power Handling:** 1 W

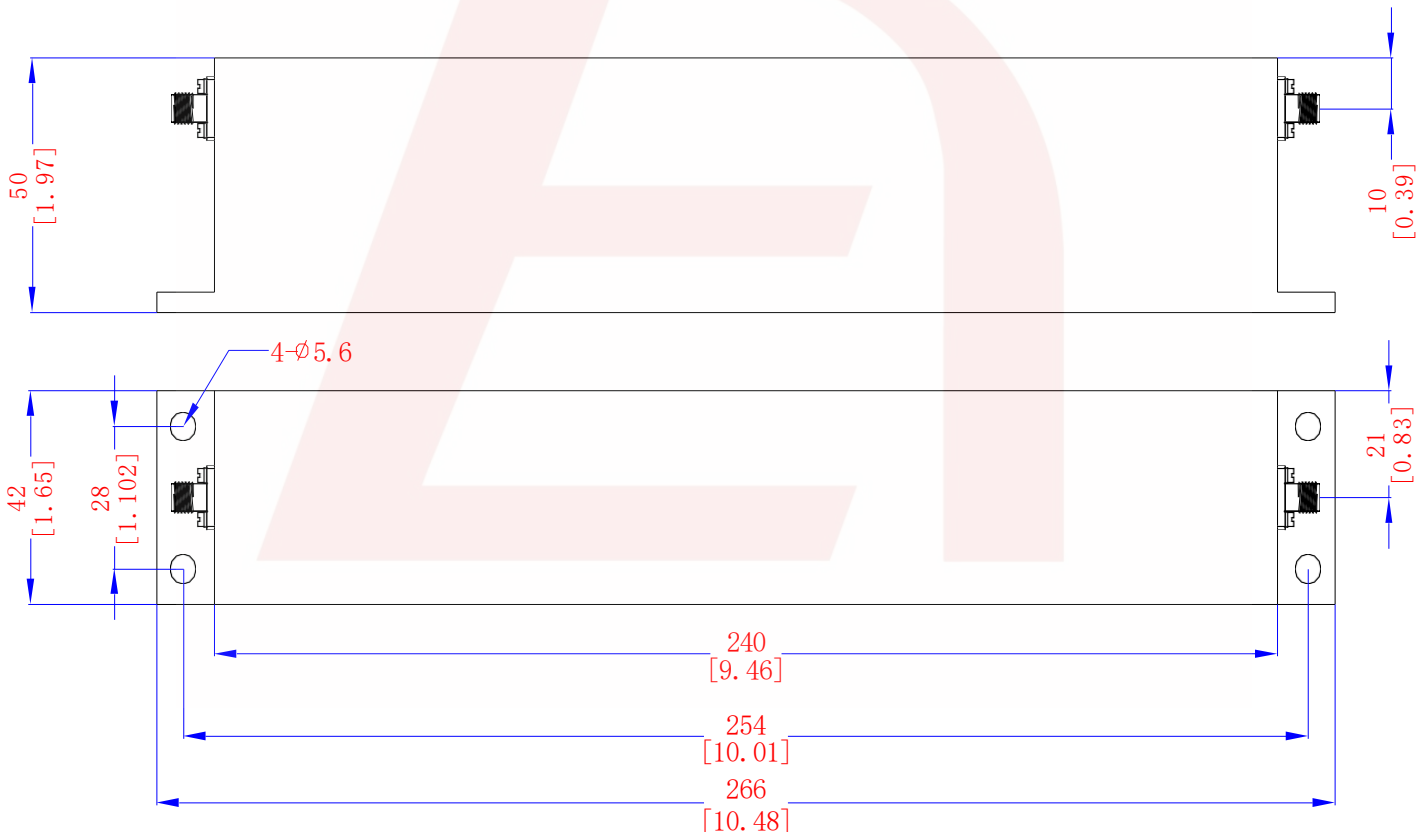
## Mechanical

**Mounting Method:** 5.6mm Through Holes  
**Connector Type:** SMA(F)  
**Dimensions:** 10.48 X 1.65 X 1.97 In.

## 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-N2231-09102019-Rev0

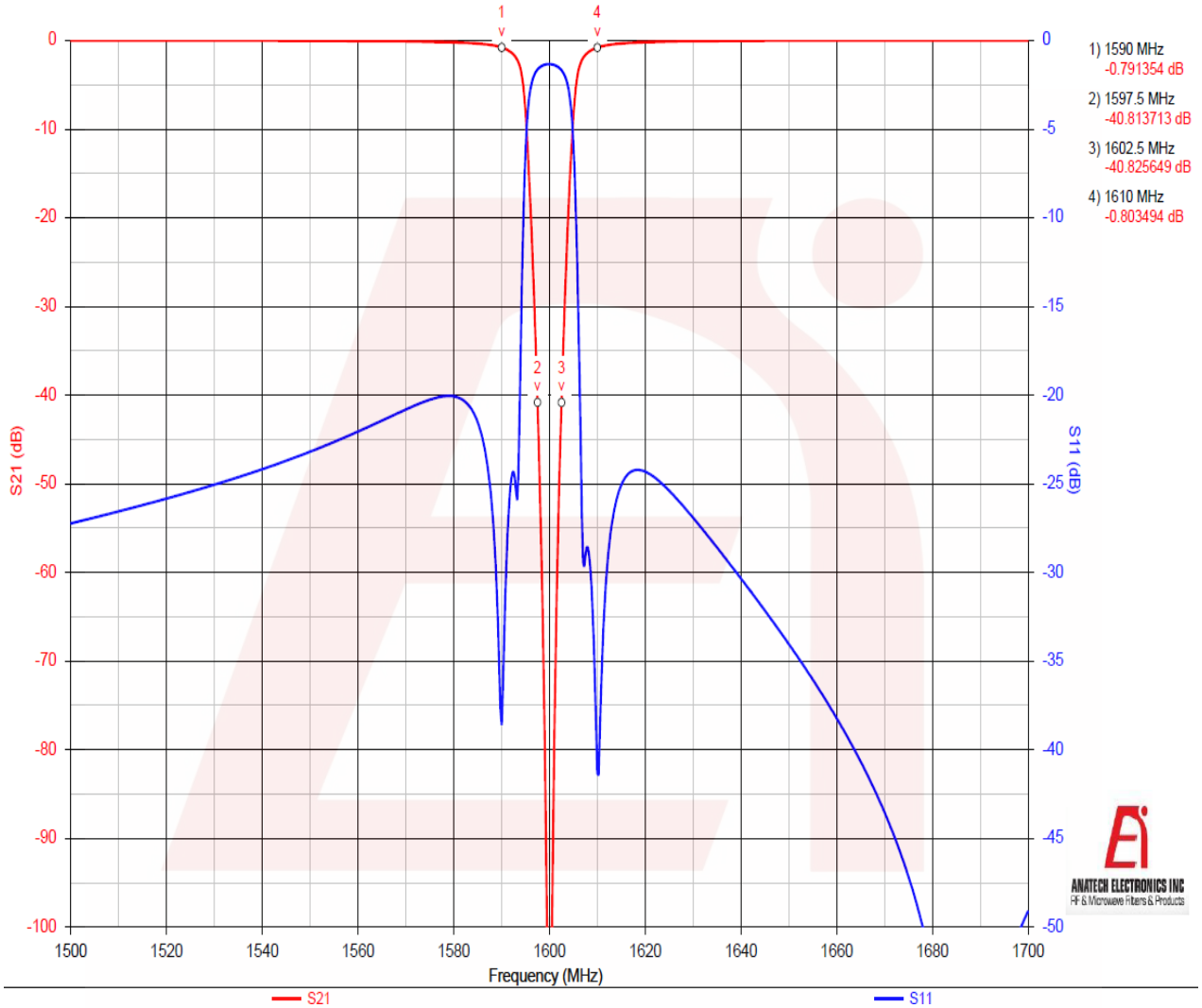
**70 Outwater Lane Phone: (973) 772-4242**  
**Garfield, NJ 07026 Fax : (973) 321-3941**

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



### Simulation Plot

RFQ-20190208-BRF-1600 MHz-5 MHz



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