



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

# 942 MHz Cavity Band Notch Filter

**Part Number: AE942NS2181**



## Electrical Specifications

**Notch Center Frequency:** 942 MHz  
**Notch Frequency range:** 925.2-960 MHz  
**Notch Rejection:** 50dB Min.  
**Passband low side of Notch:** 80-887 MHz  
**Passband High side of Notch:** 1002-6000 MHz  
**Insertion Loss:** 3dB Max @3800-6000 MHz  
**Passband Edge Insertion loss:** 3dB Max @887 MHz  
**In-Band Insertion Loss:** 1dB Max.  
**Impedance:** 50 Ohms  
**Power Handling:** 25 watts max.

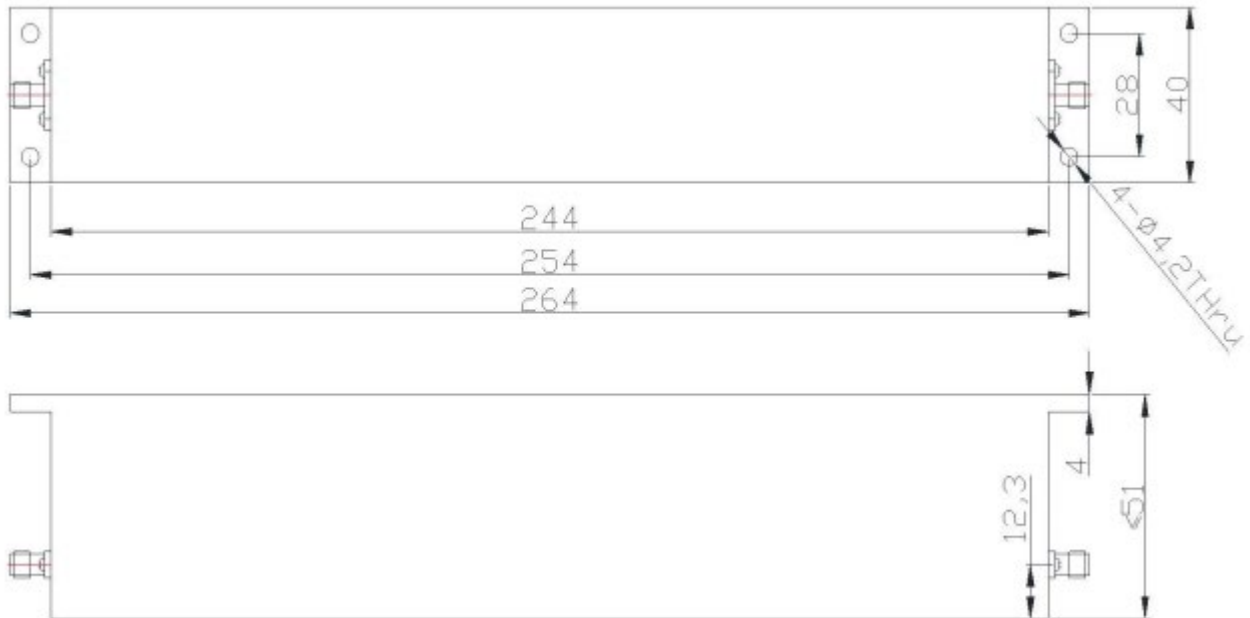
## Mechanical

**Mounting Method:** Through Holes  
**Connector Type:** SMA(F)  
**Dimensions:** 10.39 X 1.57 X 2.00 in.  
**Dimensions:** 264 X 40 X 51 mm.

## 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.

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## Response Plot:

