



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

# 9400 MHz Cavity Band Pass Filter

**Part Number: AE9400B12004**



## Electrical Specifications

**Center Frequency:** 9400 MHz  
**Pass Band:** 8300 – 10500 MHz  
**Insertion Loss:** 1.0 dB Max  
**Return Loss:** 15 dB Min  
**Rejection:** 60 dB Min @ DC – 8000 MHz  
**Rejection:** 60 dB Min @ 11000 – 11500 MHz  
**Rejection:** 90 dB Min @ 11500 – 17000 MHz  
**Impedance:** 50 Ohms  
**Power Handling:** 100 W (25% duty cycle)

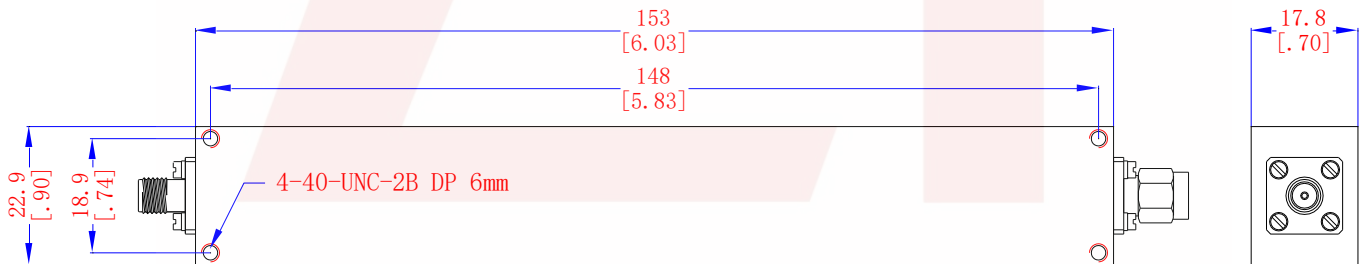
## Mechanical

**Connector Type:** SMA (F) / SMA (M)  
**Dimensions:** 6.03 x 0.90 x 0.70 in  
 153 x 22.9 x 17.8 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 200 Hz

## Outline Drawing:



Tolerance: +/-0.01 inches [+/- 0.3mm]  
 Angles: +/- 1 Deg.

DS-B12004-03242023-Rev0

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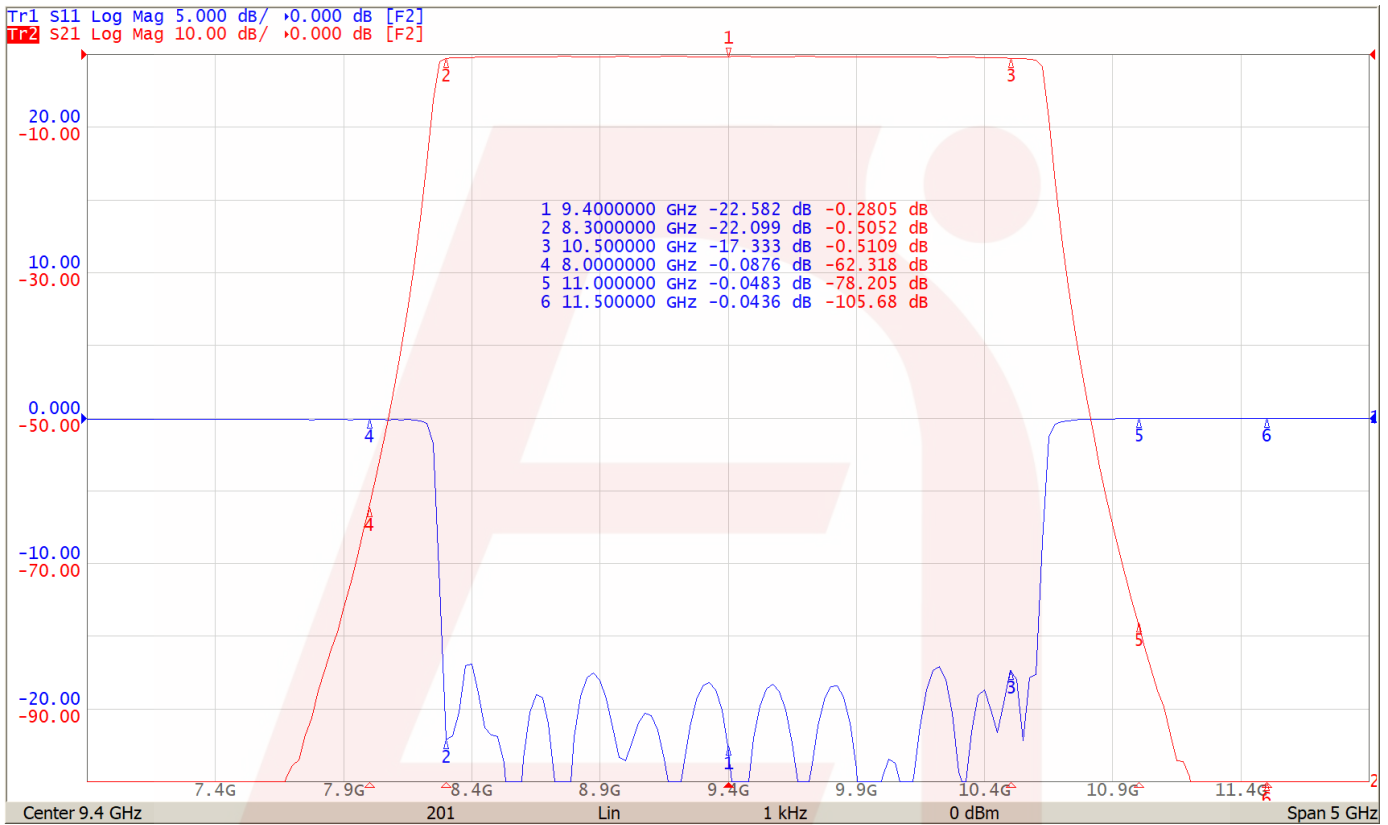
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## Response Plot:



DS-B12004-03242023-Rev0