



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

# 1096 MHz Cavity Bandpass Filter

**Part Number: AE1096B12155**



## Electrical specifications

**Center Frequency:** 1096 MHz  
**Passband:** 969-1222 MHz  
**Insertion Loss in Passband:** 0.7 dB Typ. (1 dB Max.)  
**Return Loss in Passband:** 15 dB Typ. (11.8 dB Min.)  
**Rejection:** 35 dB Min from DC-950 MHz  
**Rejection:** 17 dB Min. @ 960 MHz  
**Rejection:** 17 dB Min. @ 1232 MHz  
**Rejection:** 35 dB Min from 1242-3000 MHz  
**Power Handling:** 50 W CW

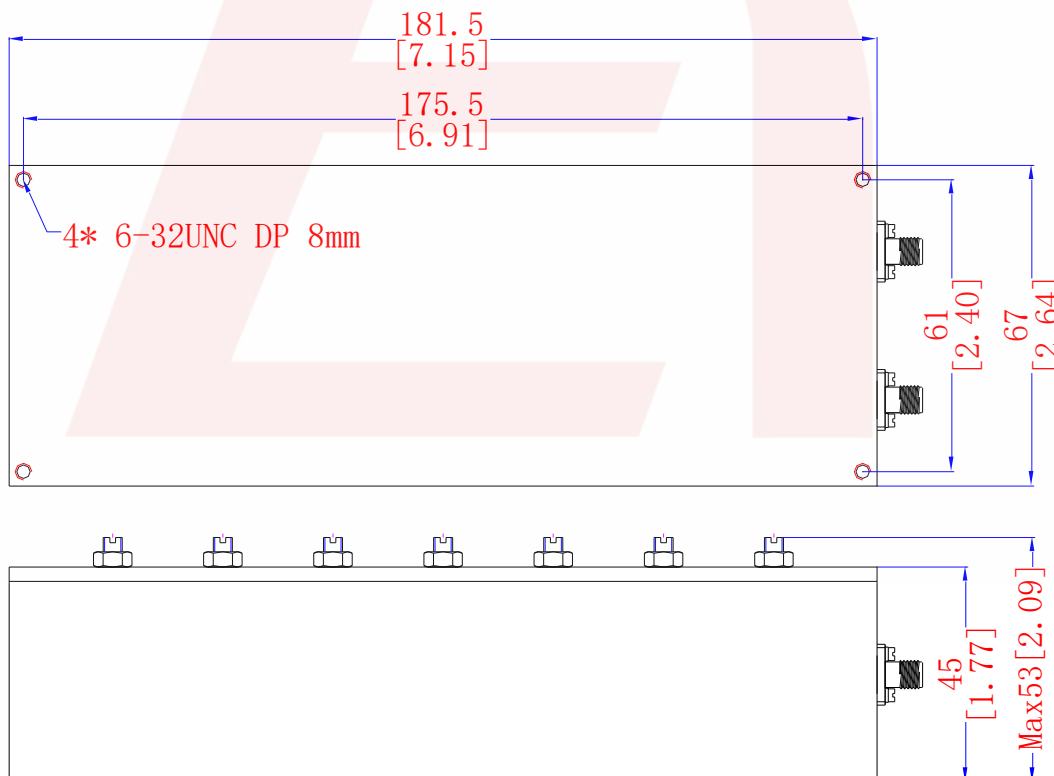
## Mechanical

**Connector Type:** SMA (F)  
**Dimensions:** 7.15 x 2.61 x 2.09 Ins  
 181.5 x 67 x 53 mm

## Environmental

**Operating Temperature:** -30°C to +70°C  
**Storage Temperature:** -40°C to +85°C  
**Shock:** 20 G. 11ms  
**Vibration:** 20 G. 5 to 2000 Hz

## Outline Drawing:



DS-B12155-06282024-Rev0



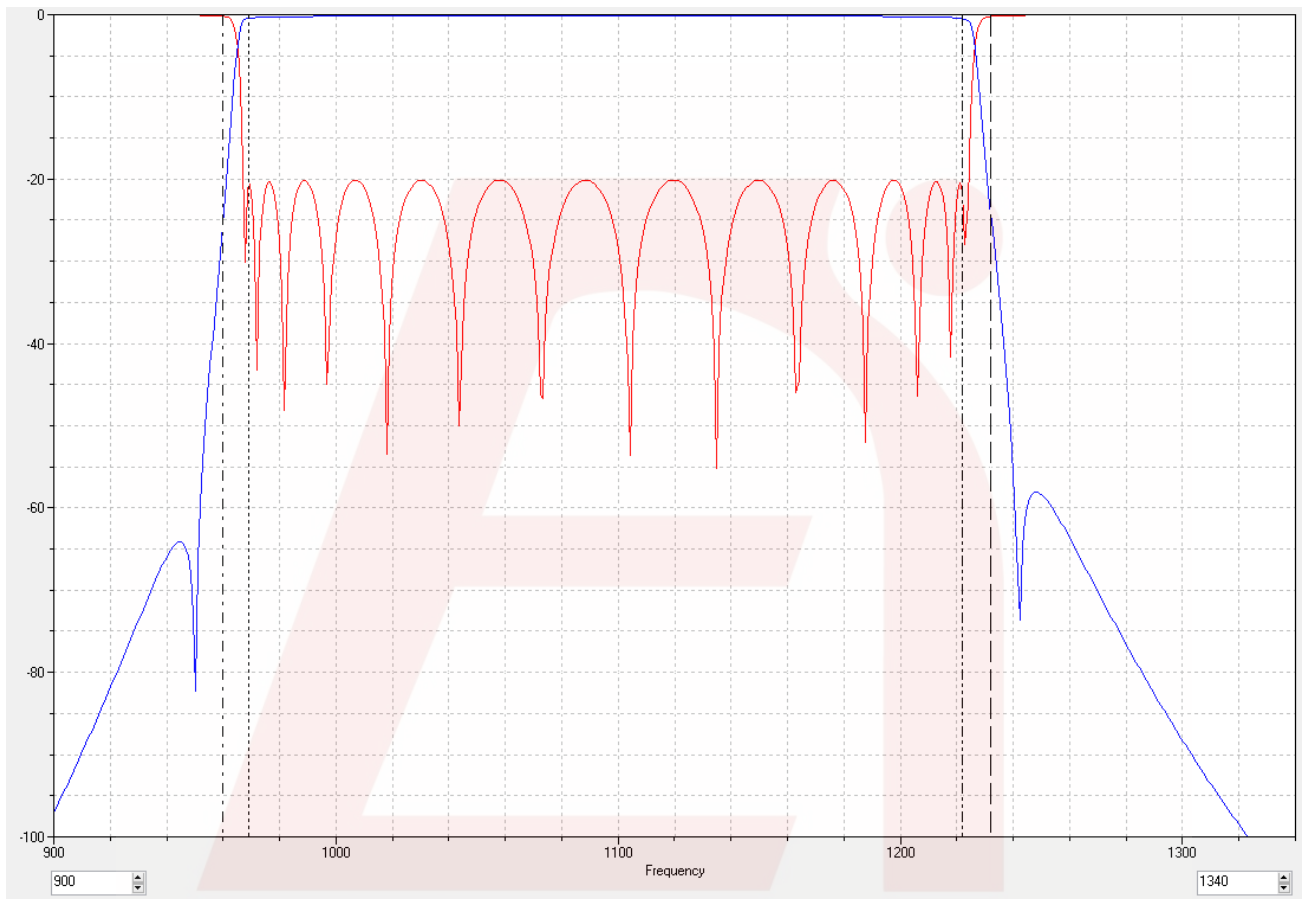
**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products

# 1096 MHz Cavity Bandpass Filter

**Part Number: AE1096B12155**



## Simulated Response Plot:



**Note: This is a simulation plot. Actual results may differ once the product is implemented.**

DS-B12155-06282024-Rev0