



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

# 4550 MHz Cavity Bandpass Filter

**Part Number: AE4550B12120**



## Electrical specifications

**Center Frequency:** 4550 MHz  
**Passband:** 4450 – 4650 MHz  
**Insertion Loss:** 1.5 dB Max  
**Return Loss:** 15 dB Min  
**Rejection:** 50 dB Min @ 4400 MHz  
**Rejection:** 50 dB Min @ 4700 MHz  
**Impedance:** 50 Ohms In/Out  
**Power Handling:** 50 W CW Max

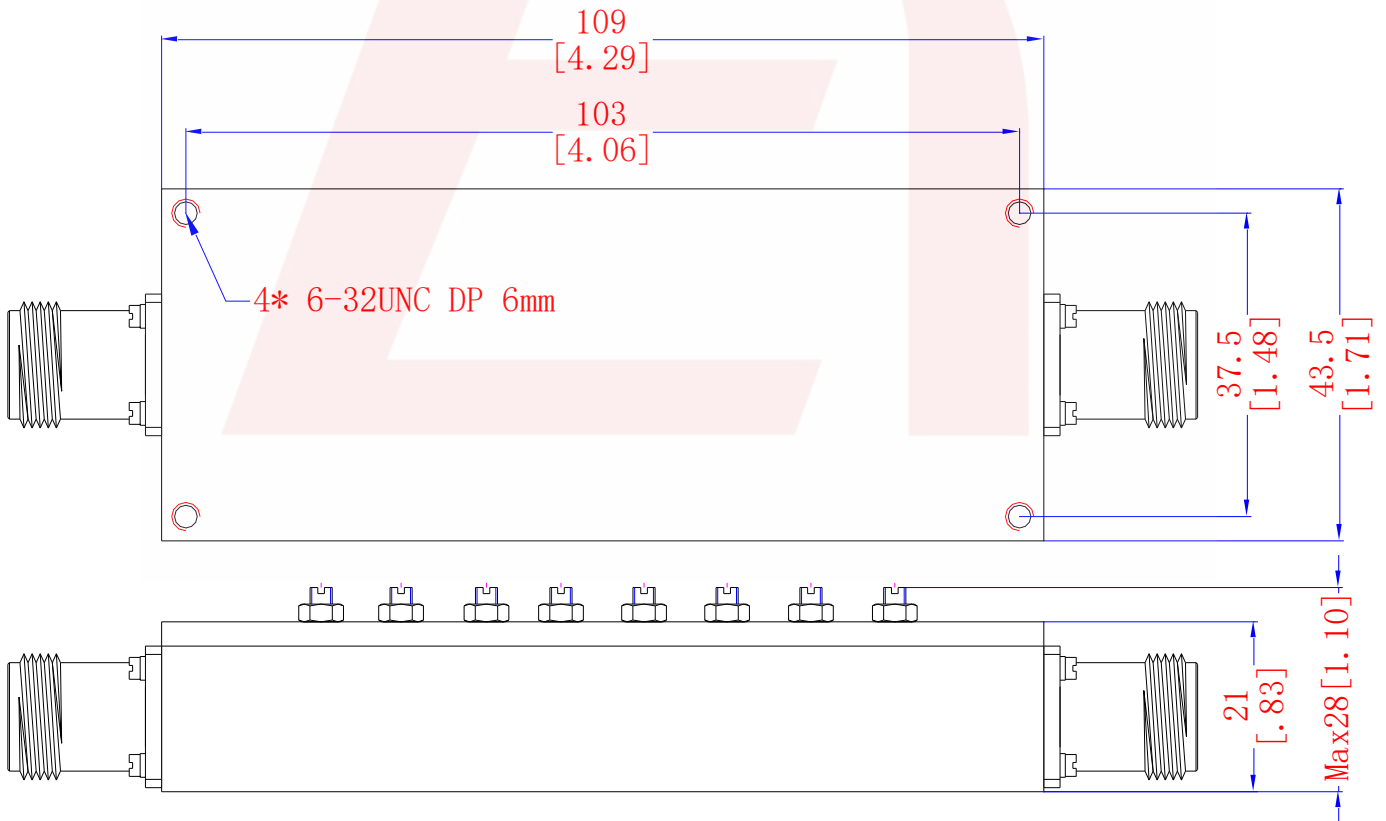
## Mechanical

**Connector Type:** N-Type Female  
**Dimensions:** 4.29 x 1.71 x 1.10 in.  
 109 x 43.5 x 28 mm

## Environmental

**Operating Temperature:** -40 to +70° C  
**Storage Temperature:** -45 to +85° C  
**Shock:** 20 G. 11ms  
**Vibration:** 20 G. 5 to 200 Hz

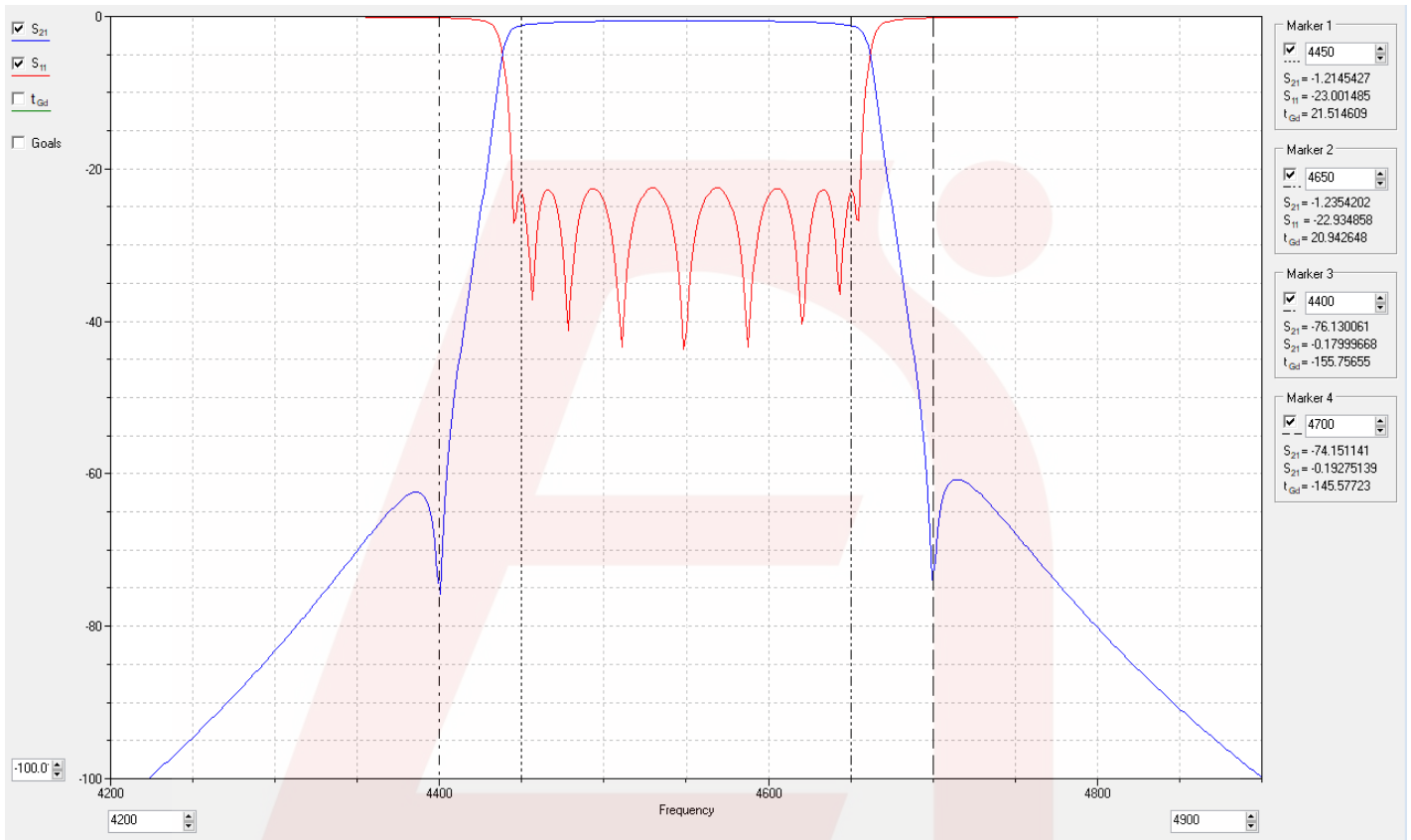
## Outline Drawing:



DS-B12120-02282024-Rev0



### Simulation Response Plot:



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