



# 2500 MHz Cavity Bandpass Filter

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

**Part Number: AB2500B529**



## Electrical specifications

**Center Frequency:** 2500 MHz  
**Frequency passband:** 7 MHz  
**Signal bandwidth:** 5 MHz  
**Insertion loss @CF:** <1.5 dB@2500 MHz  
**Insertion loss @SB:** <1.6 dB@2497.5-2503.5 MHz  
**Insertion loss @PB** <2.5 dB@2496.5-2503.5 MHz  
**Return loss:** >20 dB  
**Attenuation:** >20 dB @+/-6 MHz from CF  
**Impedance:** 50 Ohm  
**Power handling:** >20W

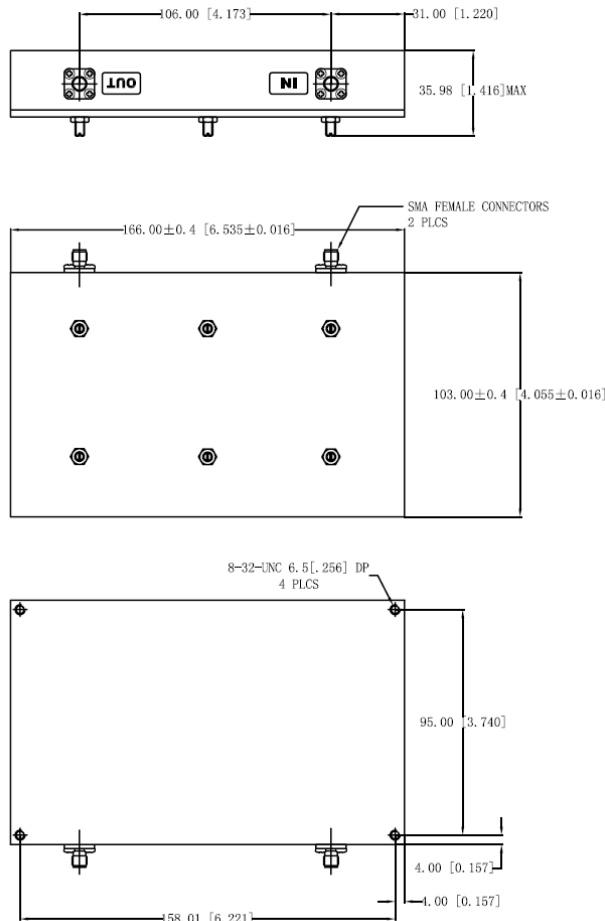
## Mechanical

**Mounting Method:** Threaded Mounting Holes  
**Connector Type:** SMA Female  
**Dimensions:** 7.87" X 4.05" X 1.53" in

## Environmental

**Operating Temperature:** -45 to +85° C  
**Storage Temperature:** -55 to +95° C  
**Shock:** 20 G. 11ms  
**Vibration:** 20 G. 5 to 200 MHz

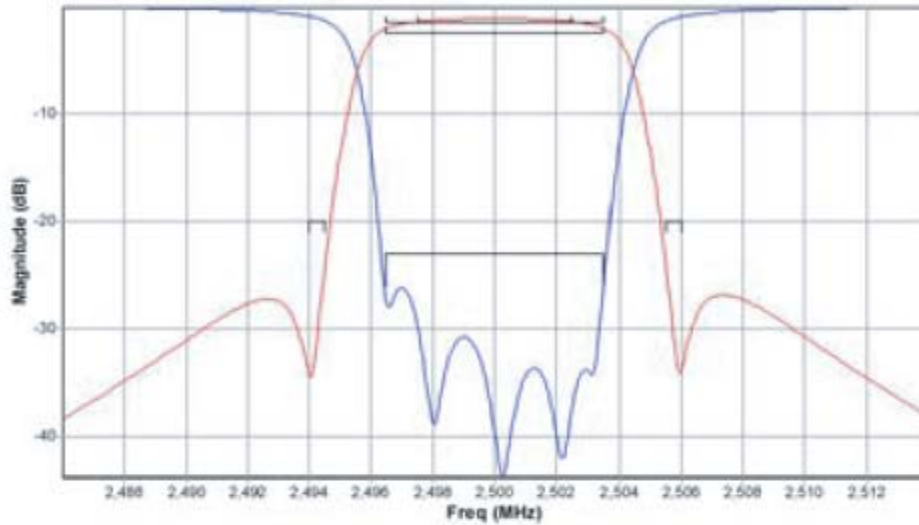
## Outline Drawing:





**Plot:**

### Simulation curve



### Insertion Loss

