



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

# WiFi Cavity Bandpass Filter

**Part Number: AB2042B685**



## Electrical specifications

**Center Frequency:** 2042.5 MHz  
**Bandwidth:** 12 MHz  
**50 dB Bandwidth:** 30 MHz  
**Input / Output Impedance:** 50 Ohms  
**Passband:** 2036.5 - 2048.5 MHz  
**Passband Insertion Loss:** 3 dB max  
**Passband Ripple:** 1.5 dB max  
**Rejection:** >50 dB @ 2027.5 MHz  
**Rejection 2:** >50 dB @ 2057.5 MHz  
**VSWR (Input and Output):** 1.5:1  
**Power Handling:** 50 W

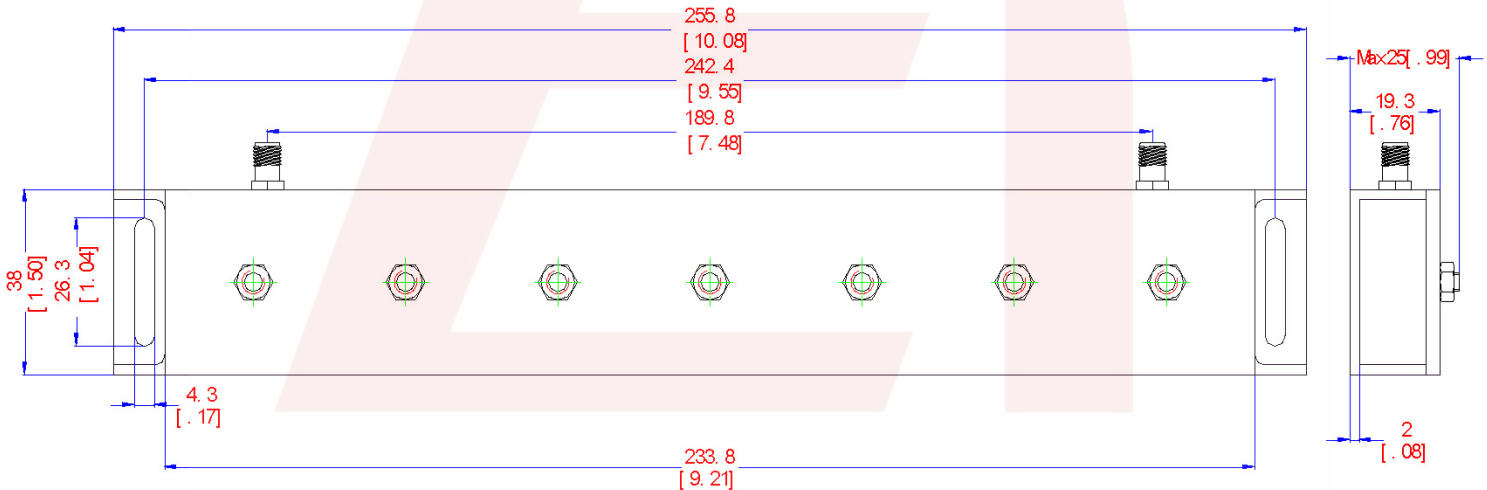
## Mechanical

**Mounting Method:** Threaded Mounting Holes  
**Connector Type:** SMA (F)  
**Dimensions:** 10.07" X 1.5" X 0.76"

## Environmental

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

## Outline Drawing:





### Response Plot:

