



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

# 2417 MHz WiFi Cavity Bandpass Filter

**Part Number: WiFi2417-2**



## Electrical specifications

**Center Frequency:** 2417 MHz  
**Bandwidth:** 22 MHz  
**Input / Output Impedance:** 50 Ohms  
**Passband:** 2406-2428 MHz  
**Passband Insertion Loss:** 3 dB max (2dB typical)  
**Passband Ripple:** 1.2 dB max  
**Passband Return Loss:** 15 dB min (18dB typical)  
**Rejection:** 60 dB min @  $F_o \pm 25$  MHz  
**Rejection 2:** 90 dBc min @  $2 \cdot F_o \pm 22$  MHz  
**Power Handling:** 50 W

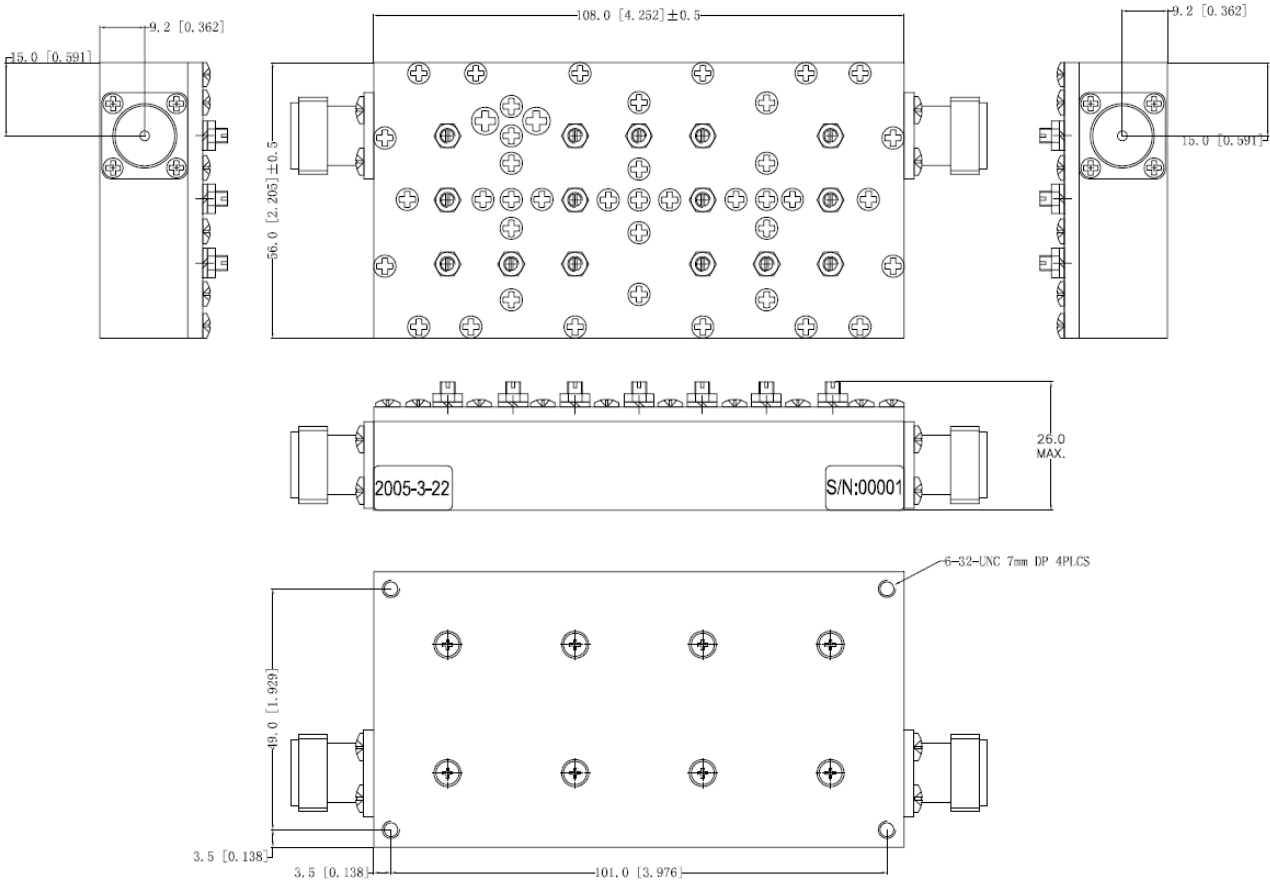
## Mechanical

**Mounting Method:** Threaded Mounting Holes  
**Connector Type:** N-Type Female  
**Dimensions:** 108mm x 101mm x 26mm

## Environmental

**Operating Temperature:** -40 to +85 deg.C  
**Storage Temperature:** -55 to +95 deg.C  
**Shock:** 20 G. 11ms  
**Vibration:** 20 G. 5 to 200 MHz

## Outline Drawing:





### Response Plot:

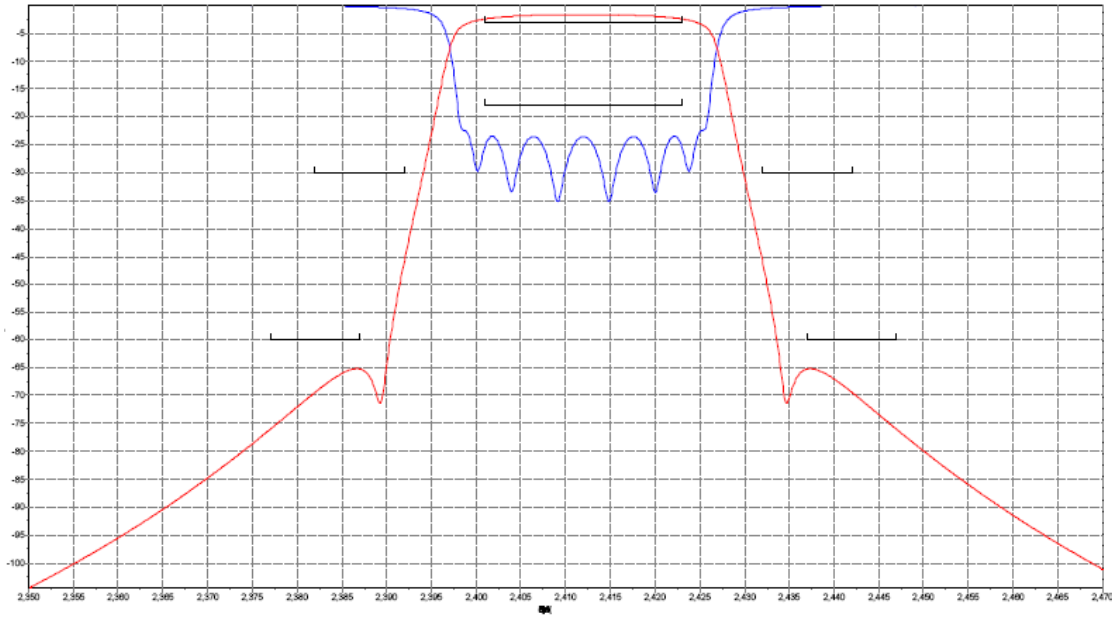


Fig.1 Return Loss and Rejection

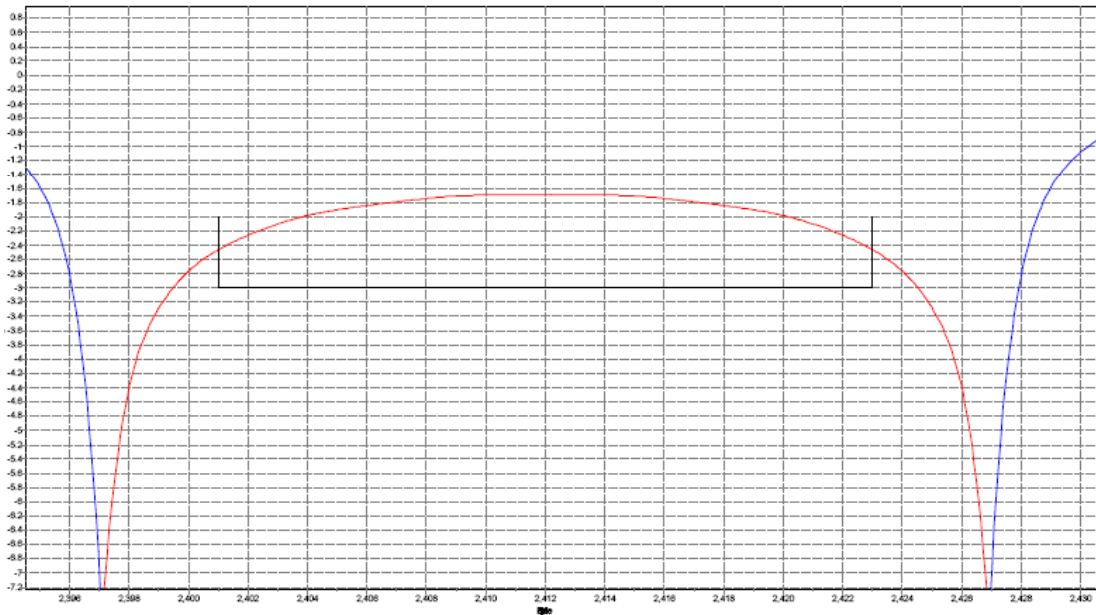


Fig.2 Insertion Loss and Ripple