



# 2452 MHz WiFi Cavity Bandpass Filter

Part Number: WiFi2452-9



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

## Electrical specifications

**Center Frequency:** 2452 MHz  
**Bandwidth:** 22 MHz  
**Input / Output Impedance:** 50 Ohms  
**Passband:** 2441-2463 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 @ Fo +/-25 MHz  
**Rejection 2:** 90 dBc min @ 2\*Fo +/-22 MHz  
**Power Handling:**

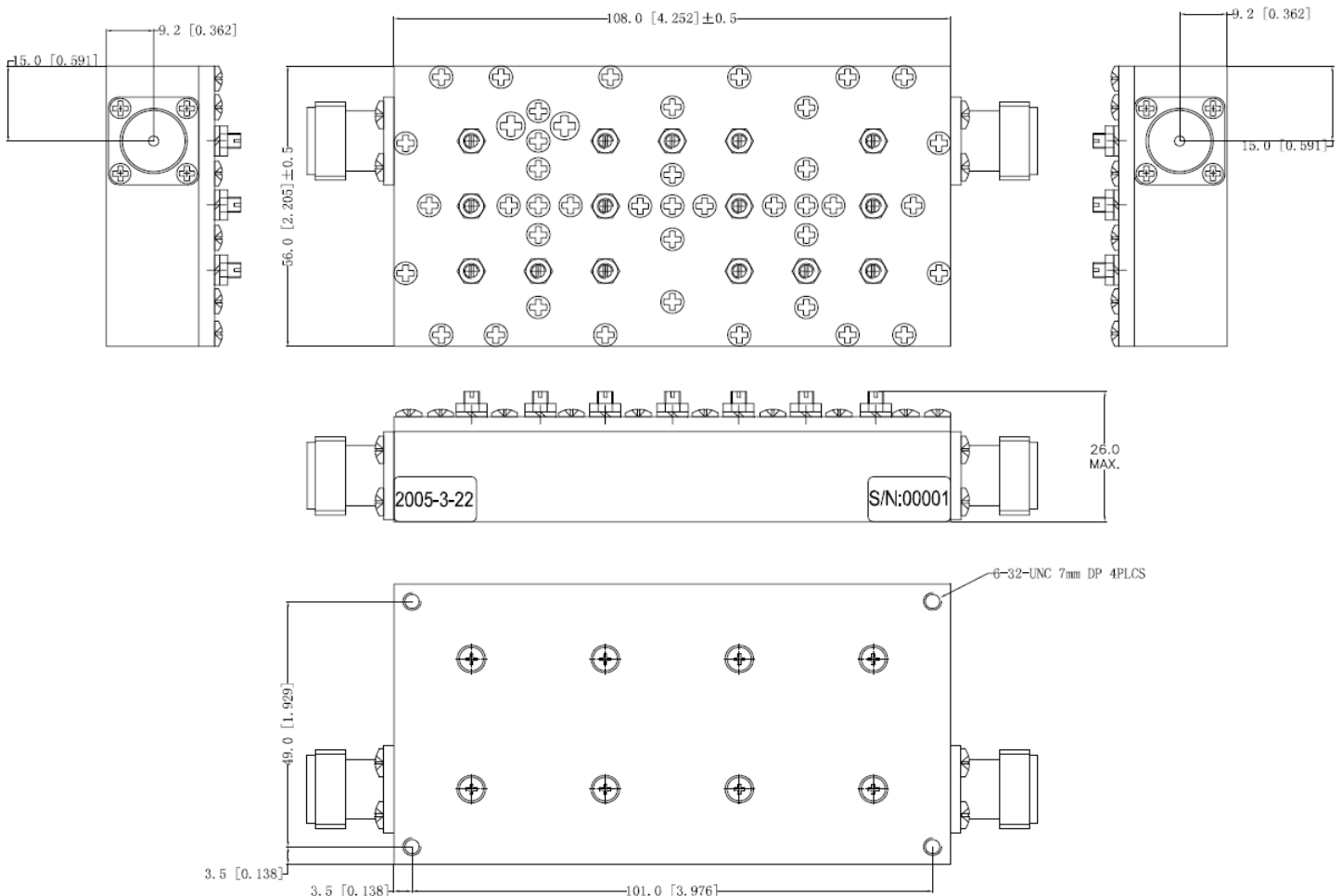
## Mechanical

**Mounting Method:** Threaded Mounting Holes  
**Connector Type:** N-Type (F)  
**Dimensions:** 108mm x 56mm 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:

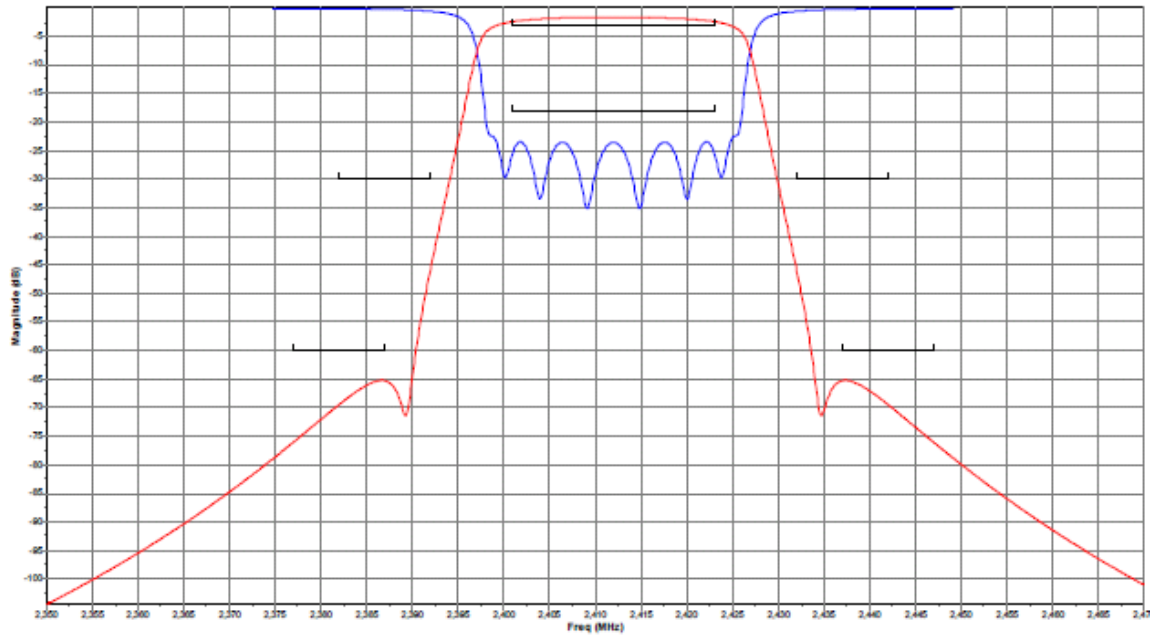


Fig.1 Return Loss and Rejection

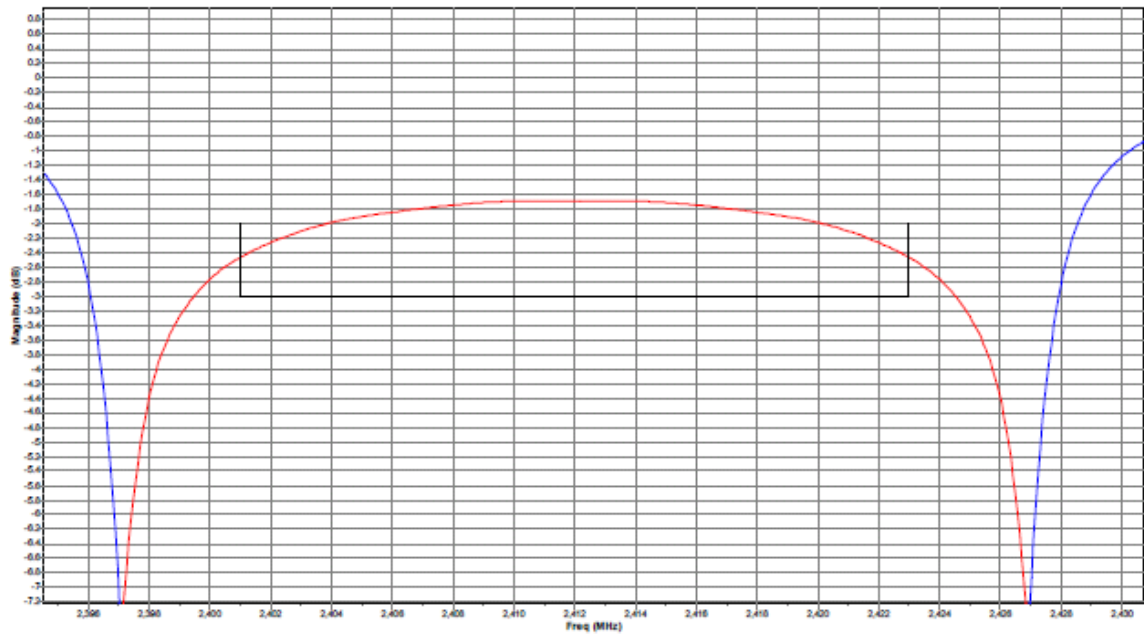


Fig.2 Insertion Loss and Ripple