



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

# 2457 MHz WiFi Cavity Bandpass Filter

**Part Number: WiFi2457-10**



## Electrical specifications

**Center Frequency:** 2457 MHz  
**1dB Bandwidth:** 22 MHz  
**Insertion loss:** 3 dB max (2 dB typ)  
**Return loss:** 15 dB min (18 dB typ)  
**Ripple:** 1.2 dB max  
**Rejection 1:** 60 dB min@Fo+/- 25 MHz  
**Rejection 2:** 90 dB min@2\*Fo+/-22 MHz  
**Power Handling:** 50 Watts

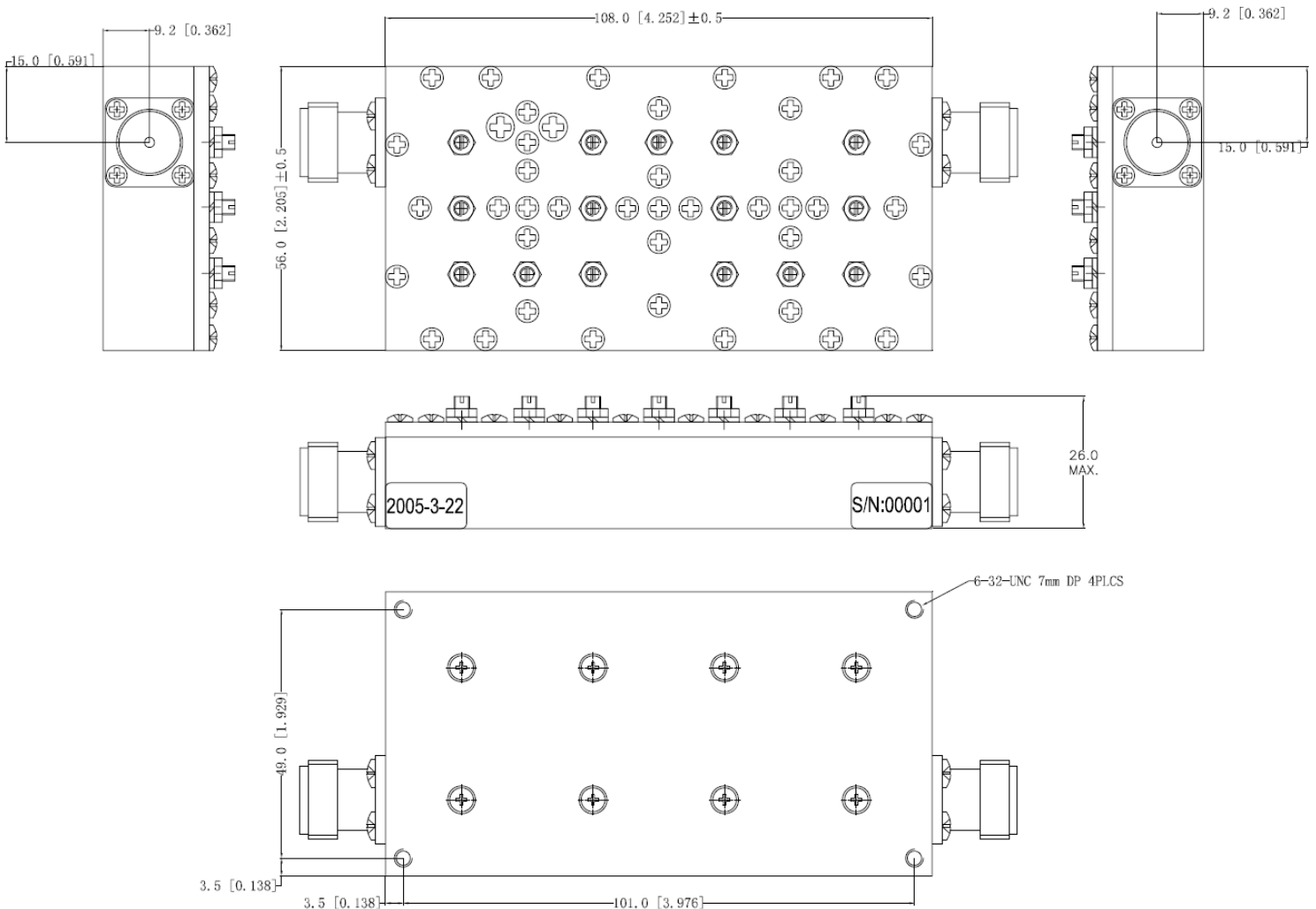
## Mechanical

**Mounting Method:** Threaded Mounting Holes  
**Connector Type:** N-Type Female  
**Dimensions:** 4.25" x 2.20" x 1.02" in

## 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:

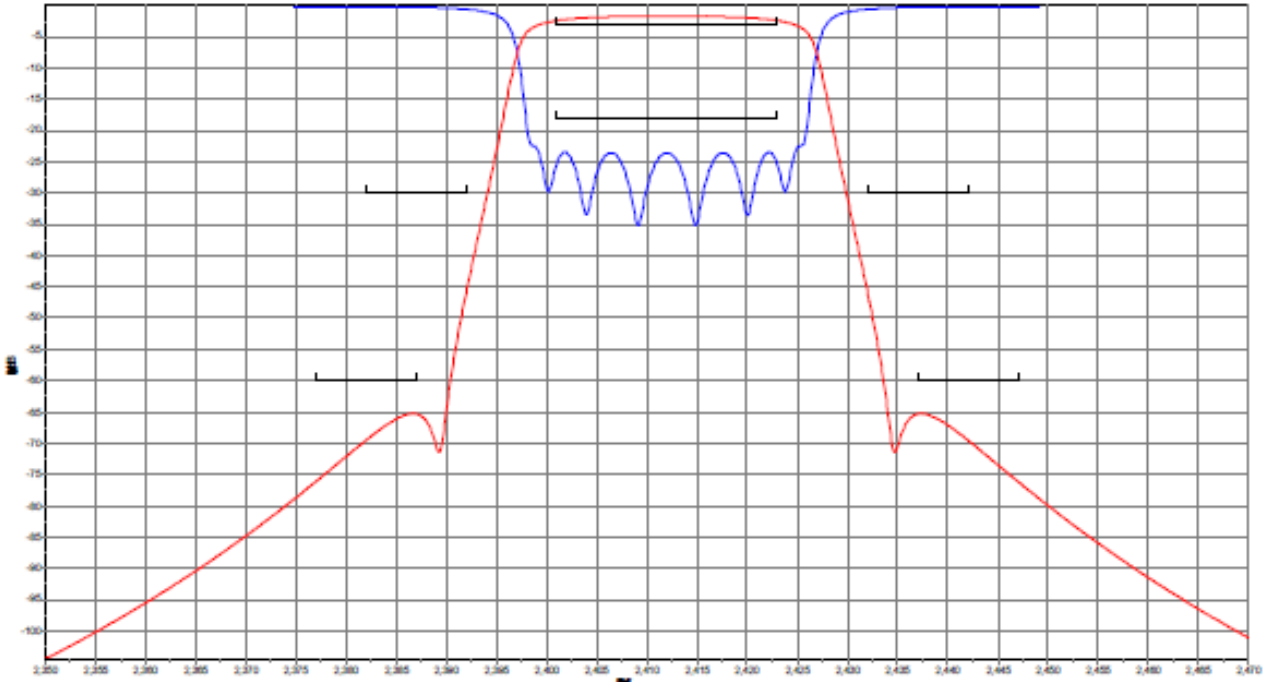


Fig.1 Return Loss and Rejection

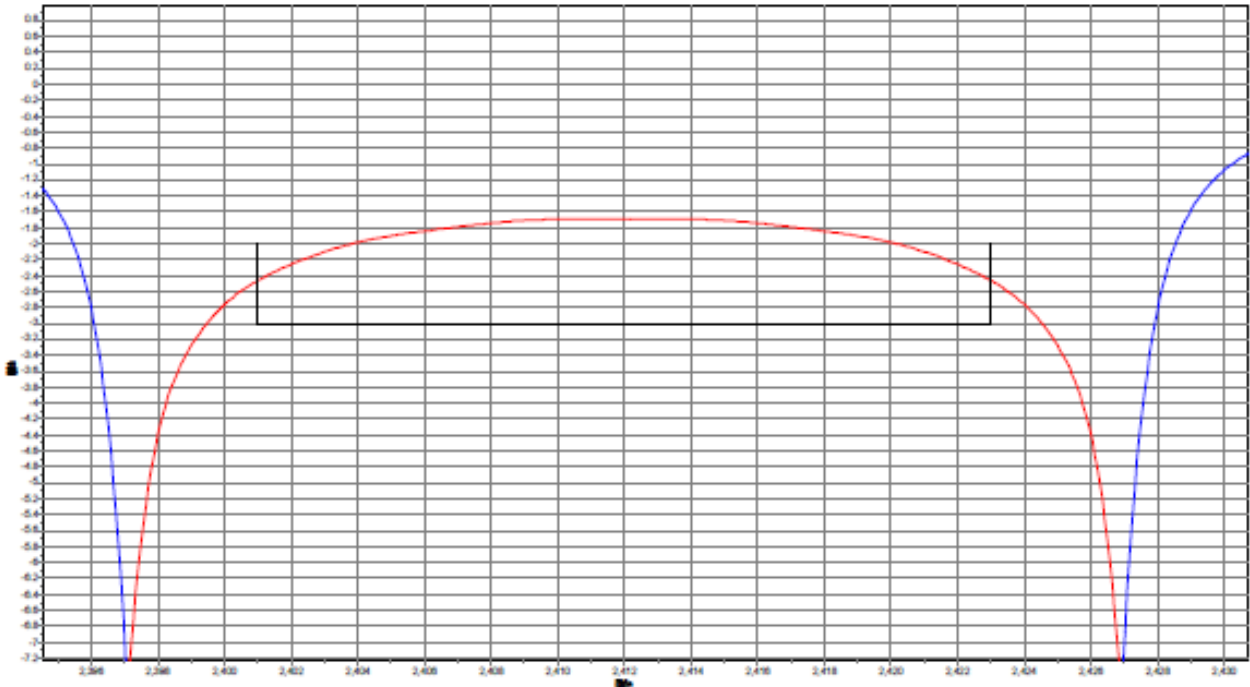


Fig.2 Insertion Loss and Ripple