



# 2447 MHz WiFi Cavity Bandpass Filter

## Part Number: WiFi2447-8



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

### Electrical specifications

- Center Frequency:** 2442 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

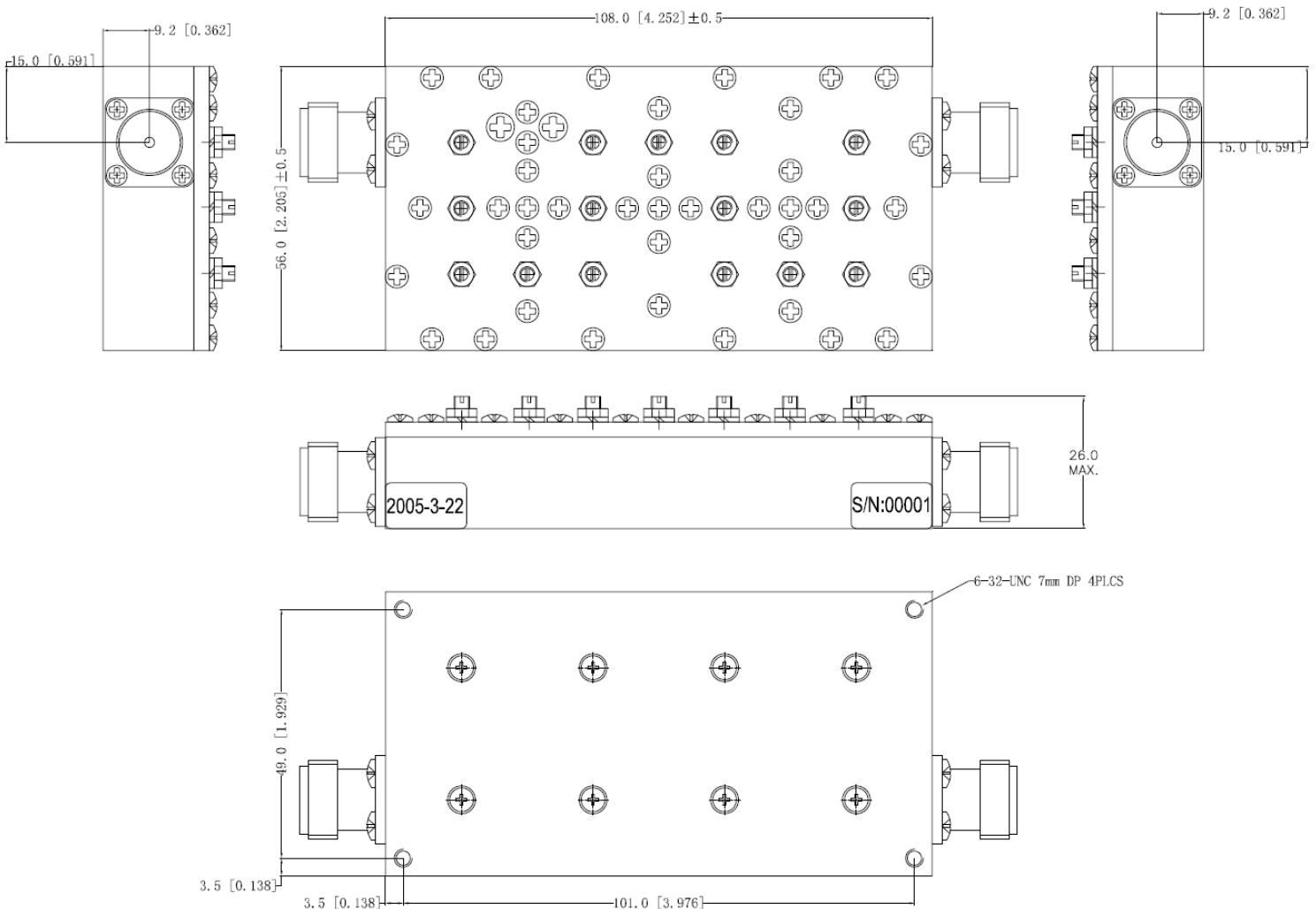
### Mechanical

- 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:

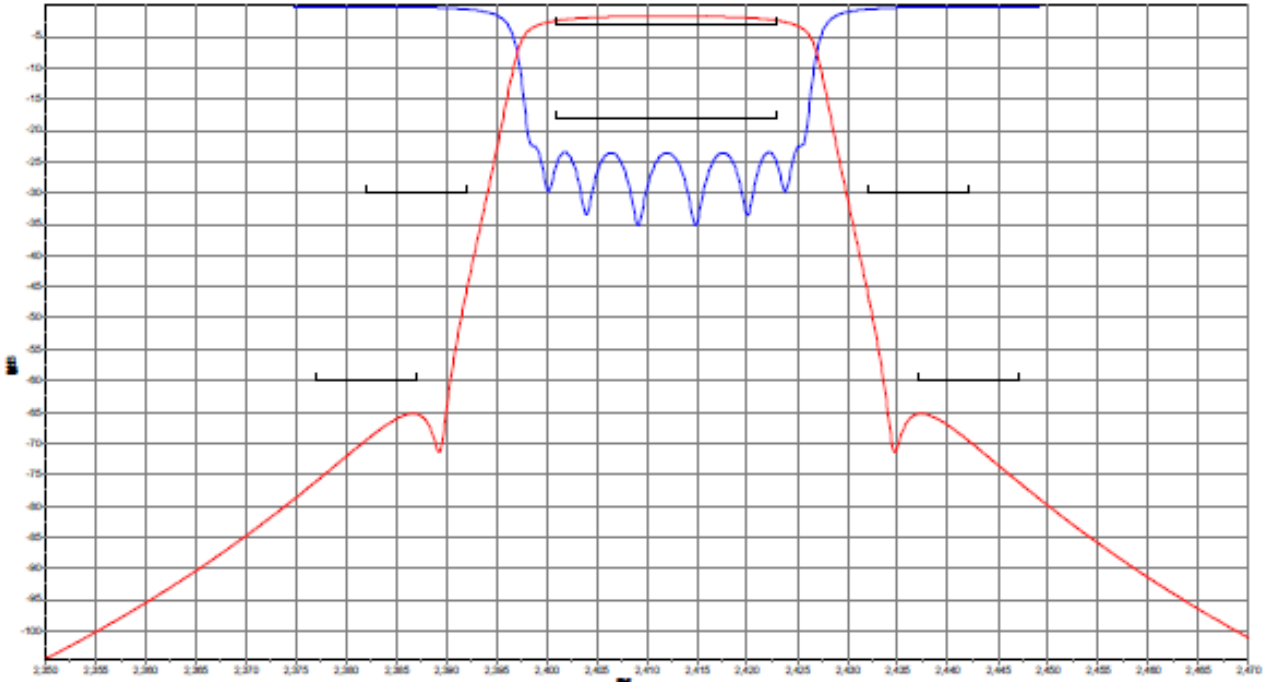


Fig.1 Return Loss and Rejection

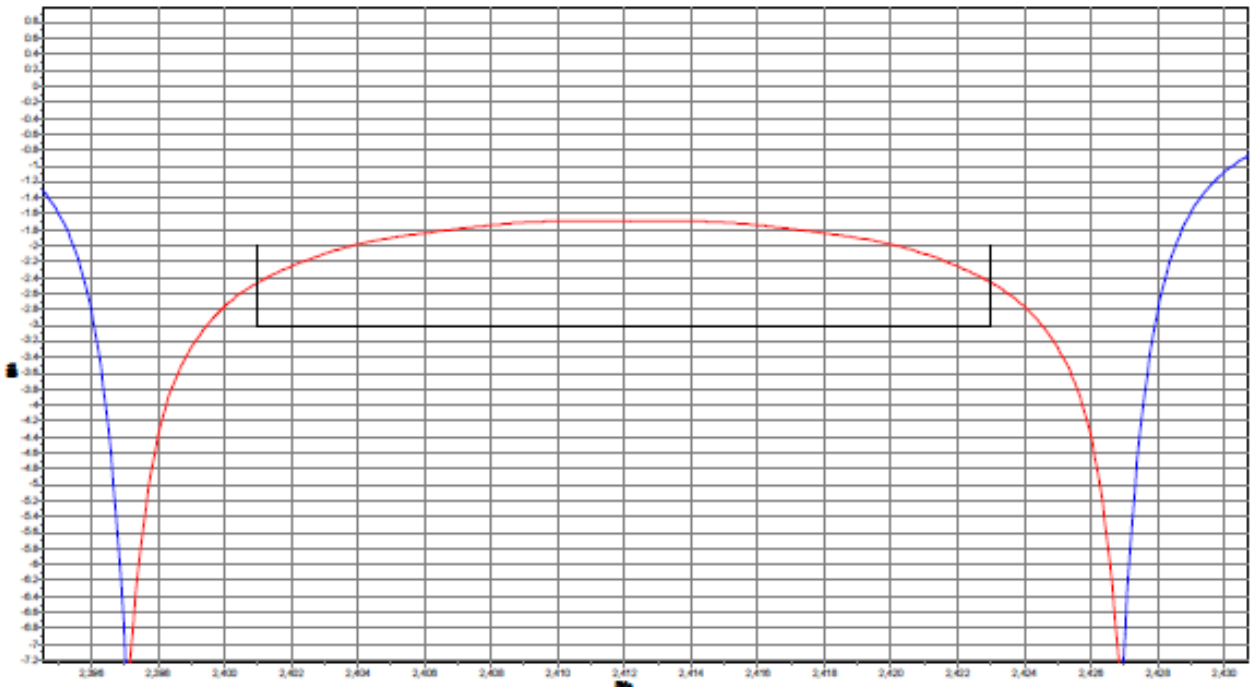


Fig.2 Insertion Loss and Ripple