



# 2470 MHz WiFi Cavity Bandpass Filter

## Part Number: AB2470B1164



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

### Electrical specifications

**Center Frequency:** 2470 MHz  
**3 dB 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:** 80 dBc min@fo+/-44 MHz  
**Power handling:** 50 Watts

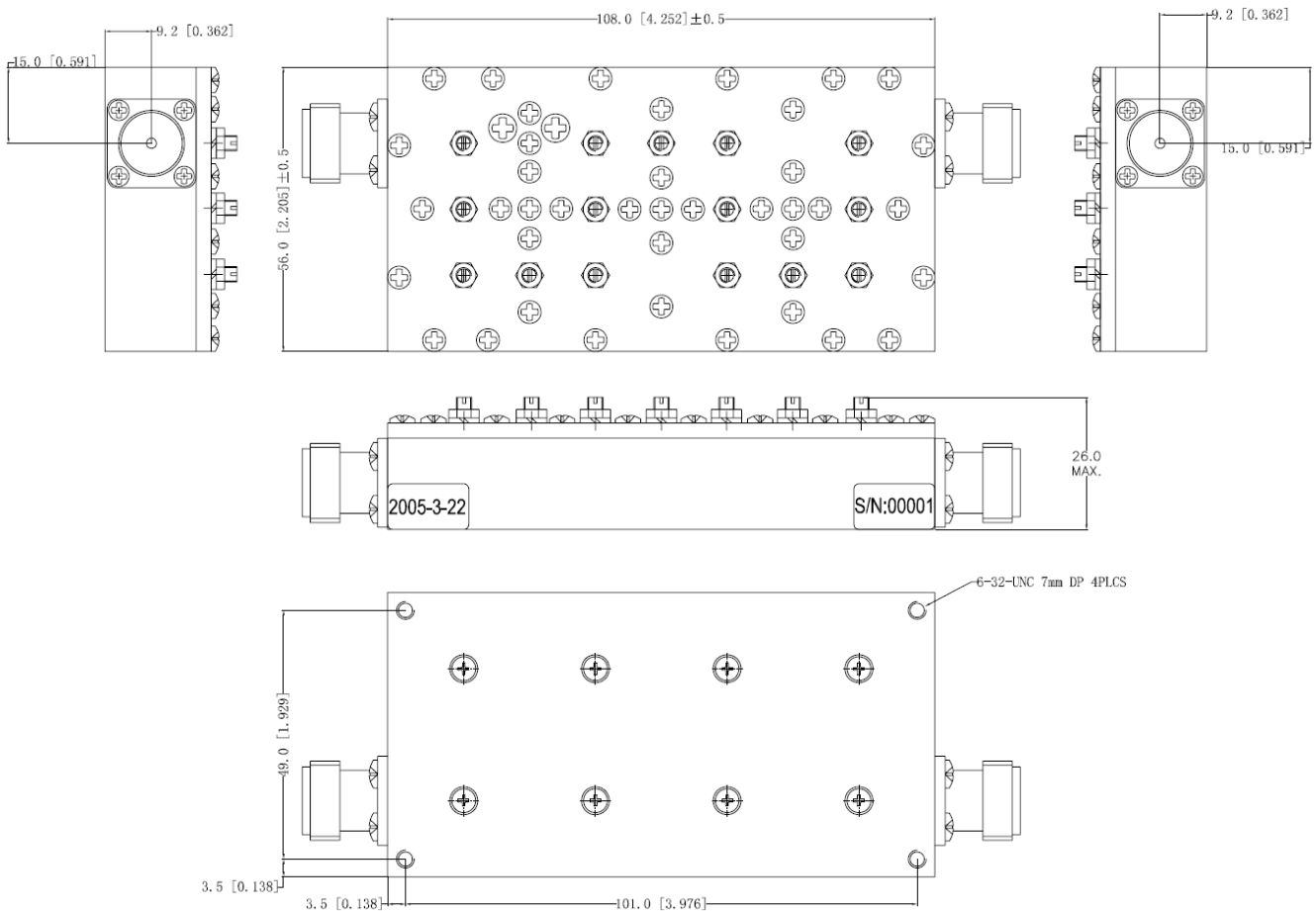
### Mechanical

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

### Environmental

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

### Outline Drawing:





Plot:

### Design and simulation

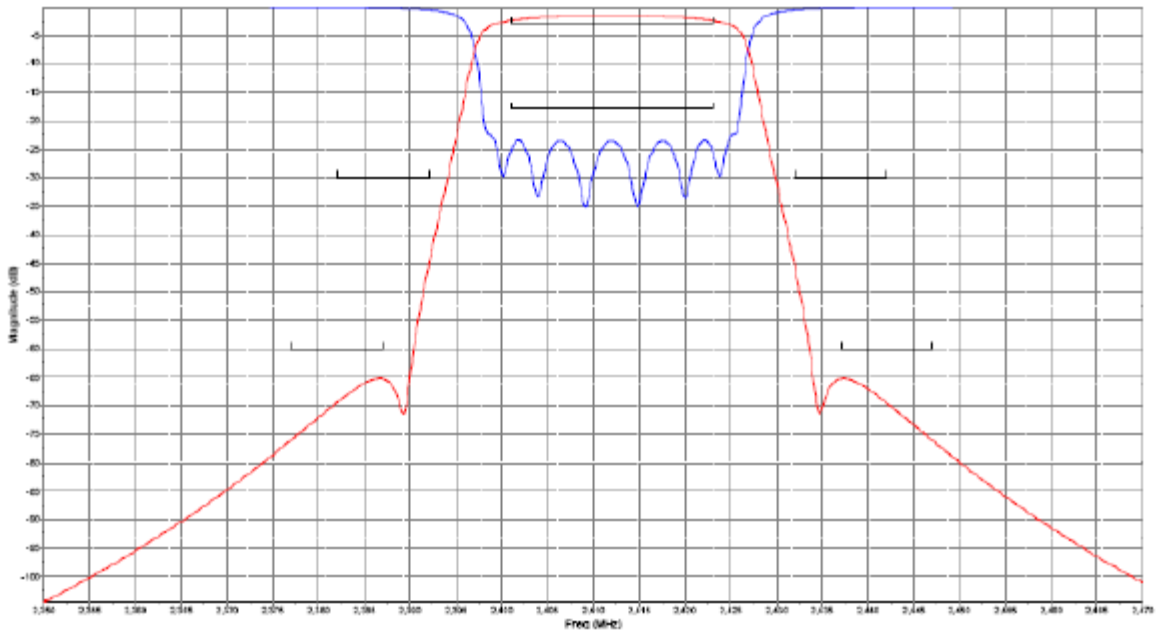


Fig.1 Return Loss and Rejection

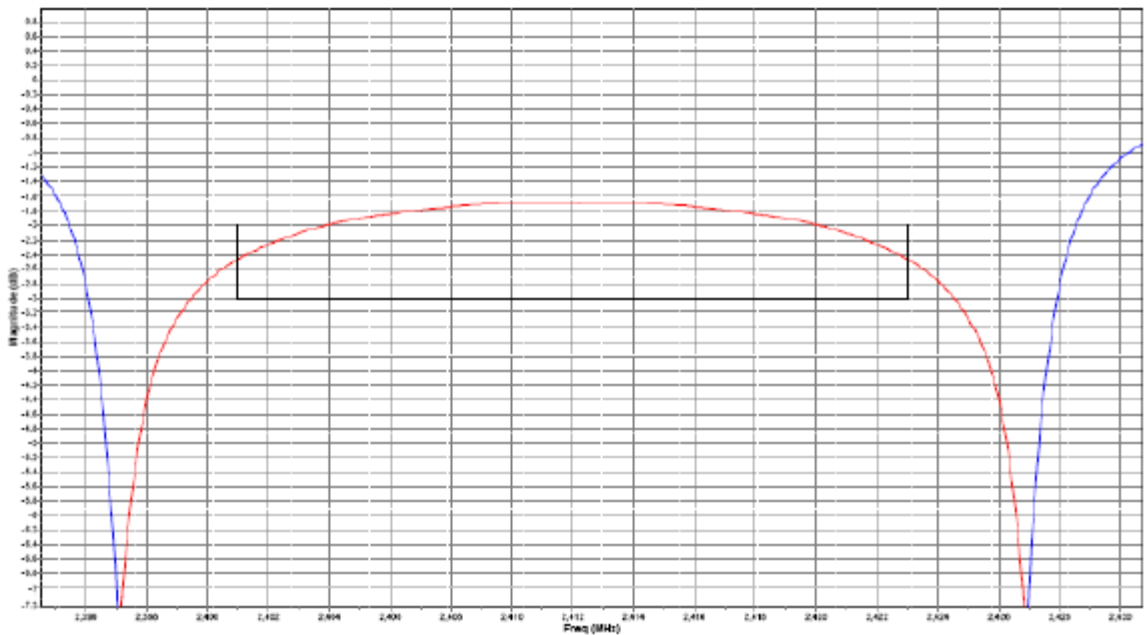


Fig.2 Insertion Loss and Ripple