



# 2492 MHz WiFi Cavity Bandpass Filter For Outdoor



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

**Part Number: AE2492B11322**

## Electrical specifications

**Center Frequency:** 2492 MHz  
**Bandwidth:** 22 MHz  
**Input / Output Impedance:** 50 Ohms  
**Passband:** 2481-2503 MHz  
**Passband Insertion Loss:** 3 dB max (2dB typical)  
**Passband Ripple:** 1.2 dB max  
**Passband Return Loss:** 15 dB min (18dB typical)  
**Rejection1:** 60 dB min @ Fo +/-25 MHz  
**Rejection 2:** 90 dBc min @ 2\*Fo +/-22 MHz  
**Power Handling:** 50 W

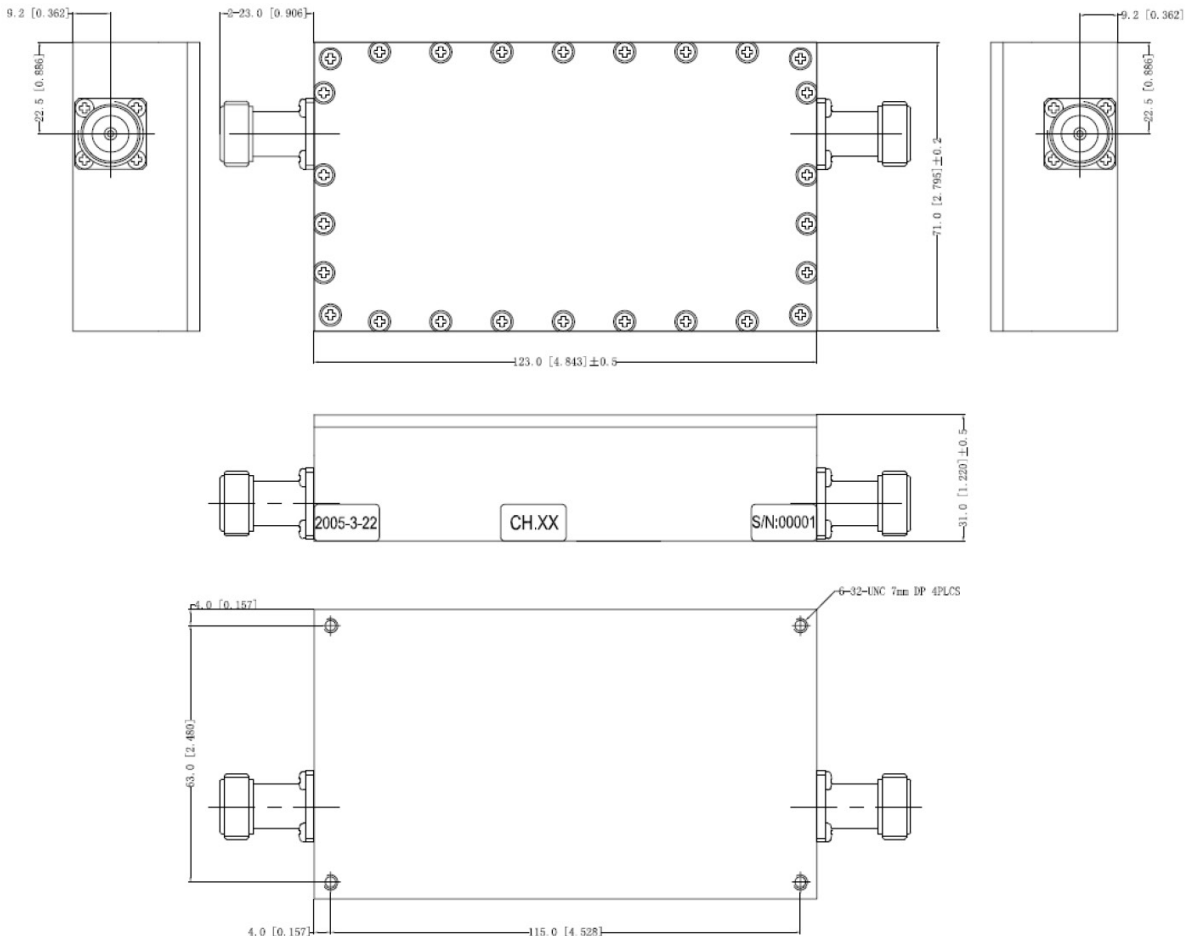
## Mechanical

**Mounting Method:** Threaded Mounting Holes  
**Connector Type:** N-Type (F)  
**Dimensions:** 4.84 x 2.79 x 1.22 Inches

## 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 Hz  
**Also available in SMA, BNC, TNC connectors**

## Outline Drawing:



2 decimal places: +/-0.01 inches [ +/- 0.3mm]

3 decimal places: +/- 0.005 inches [ +/- 0.13mm]

Angles: +/- 1 Deg.

When max dimensions are called out the above tolerances do not apply as long as it is under the max call out.



### Response Plot:

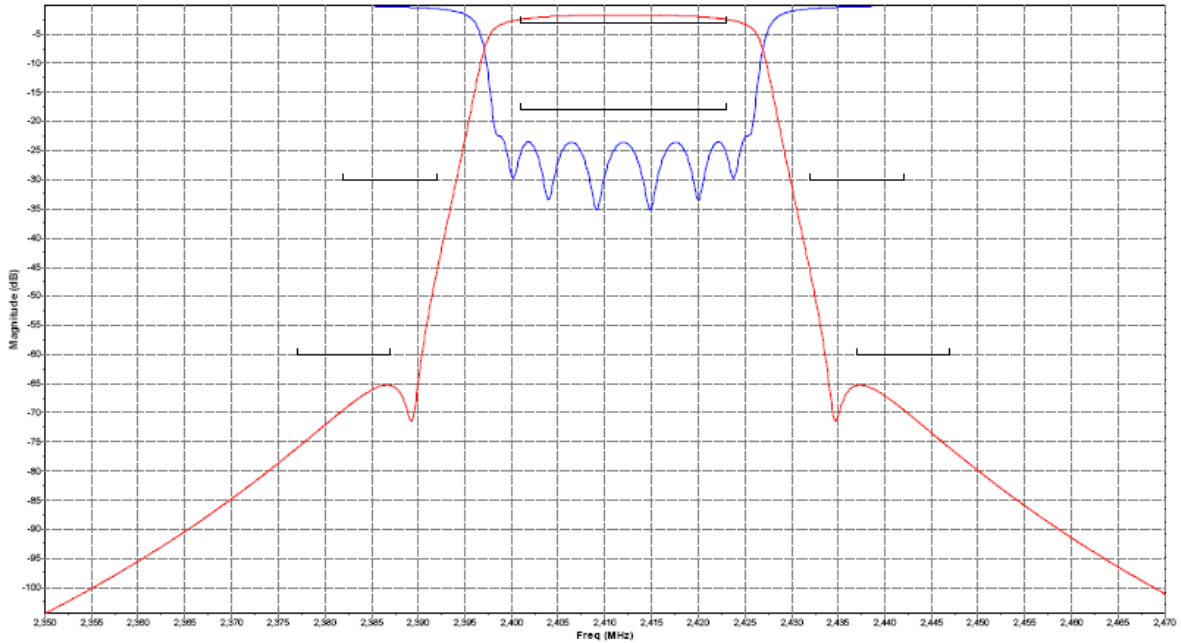


Fig.1 Return Loss and Rejection

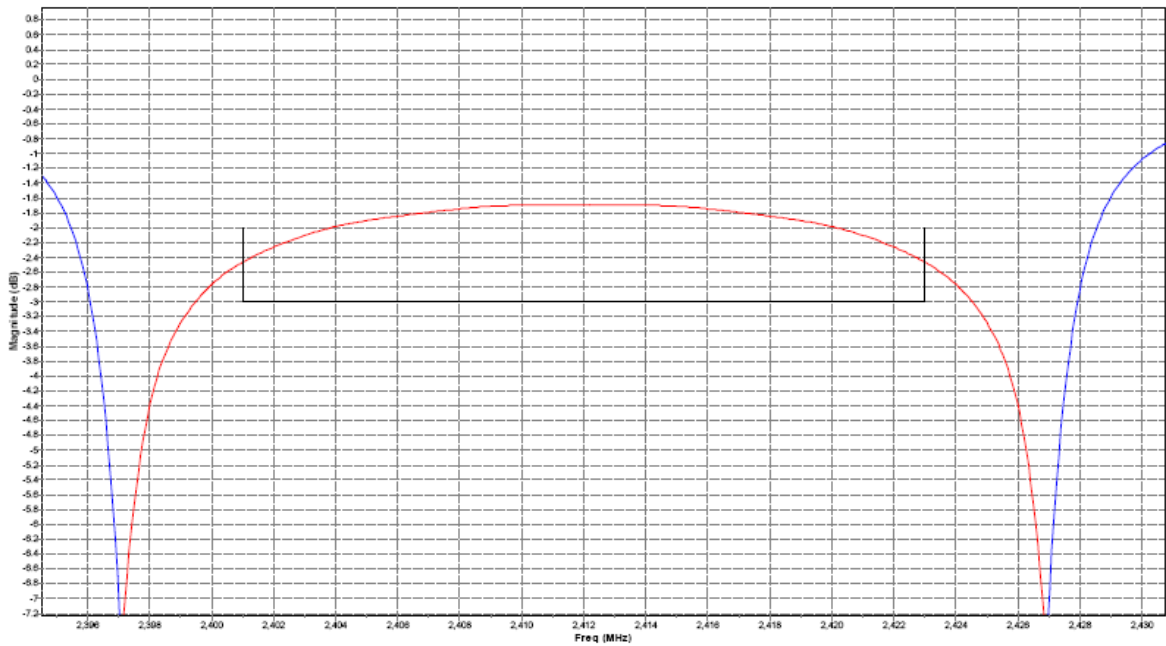


Fig.2 Insertion Loss and Ripple