



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

2447 MHz WiFi Cavity Bandpass Filter for Outdoor

Part Number: WiFi2447-80



Electrical specifications

Center Frequency: 2447 MHz

Bandwidth: 22 MHz

Input / Output Impedance: 50 Ohms

Passband: 2436-2458 MHz

Passband Insertion Loss: 3 dB max (2 dB typical)

Passband Ripple: 1.2 dB max

Passband Return Loss: 15 dB min (18 dB typical)

Rejection: 30 dB min @ $F_o \pm 20$ MHz

Rejection 2: 60 dB min @ $F_o \pm 25$ MHz

Rejection 3: 90 dBc min @ $2 \times F_o \pm 22$ MHz

Power Handling: 50 W

Mechanical

Mounting Method: Threaded Mounting Holes

Connector Type: N-Type Female

Dimensions: 123mm x 71mm x 31mm

Environmental

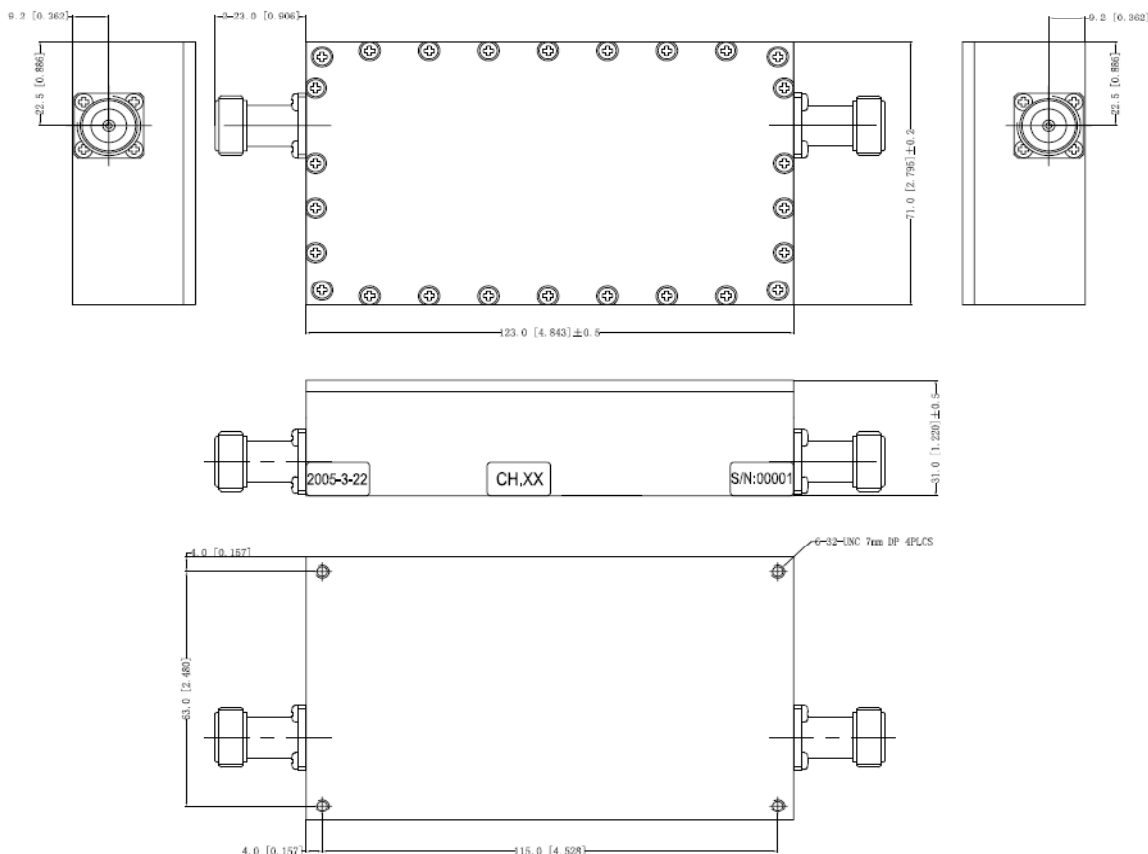
Operating Temperature: 0 to +50 deg.C

Storage Temperature: -45 to +95 deg.C

Shock: 20 G. 11ms

Vibration: 20G. 5 to 200 MHz

Outline Drawing:





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Response Plot:

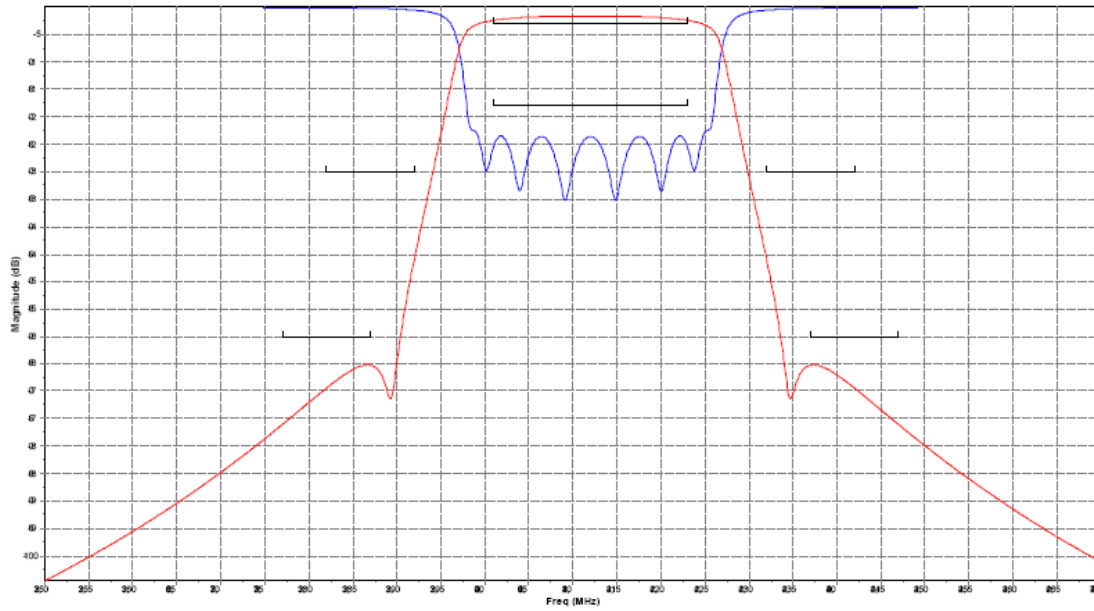


Fig.1 Return Loss and Rejection

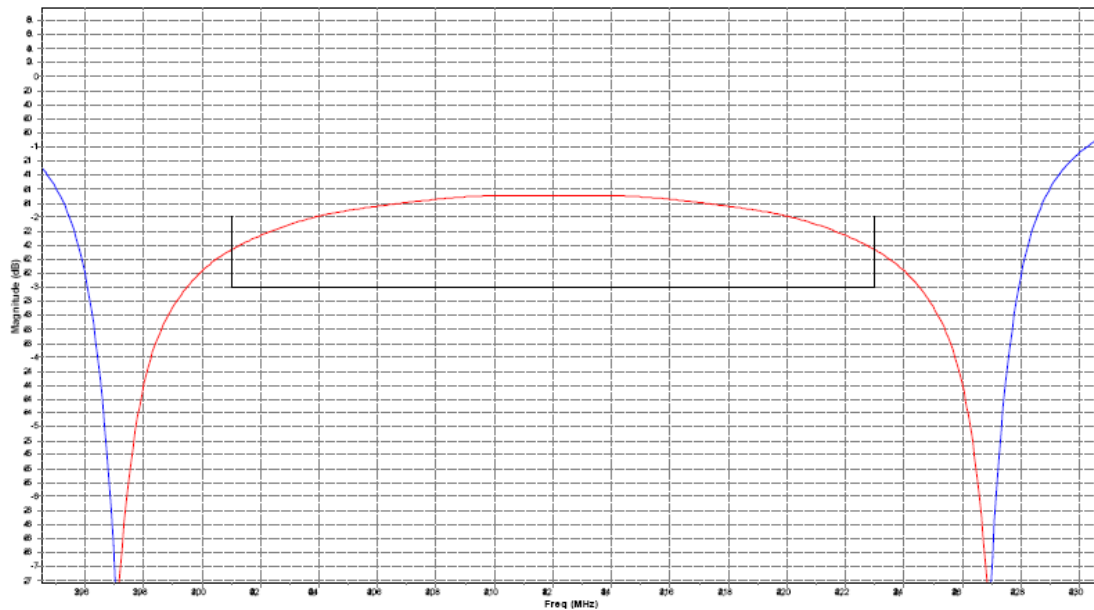


Fig.2 Insertion Loss and Ripple