



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

2442 MHz WiFi Cavity Bandpass Filter

Part Number: WiFi2442-7



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

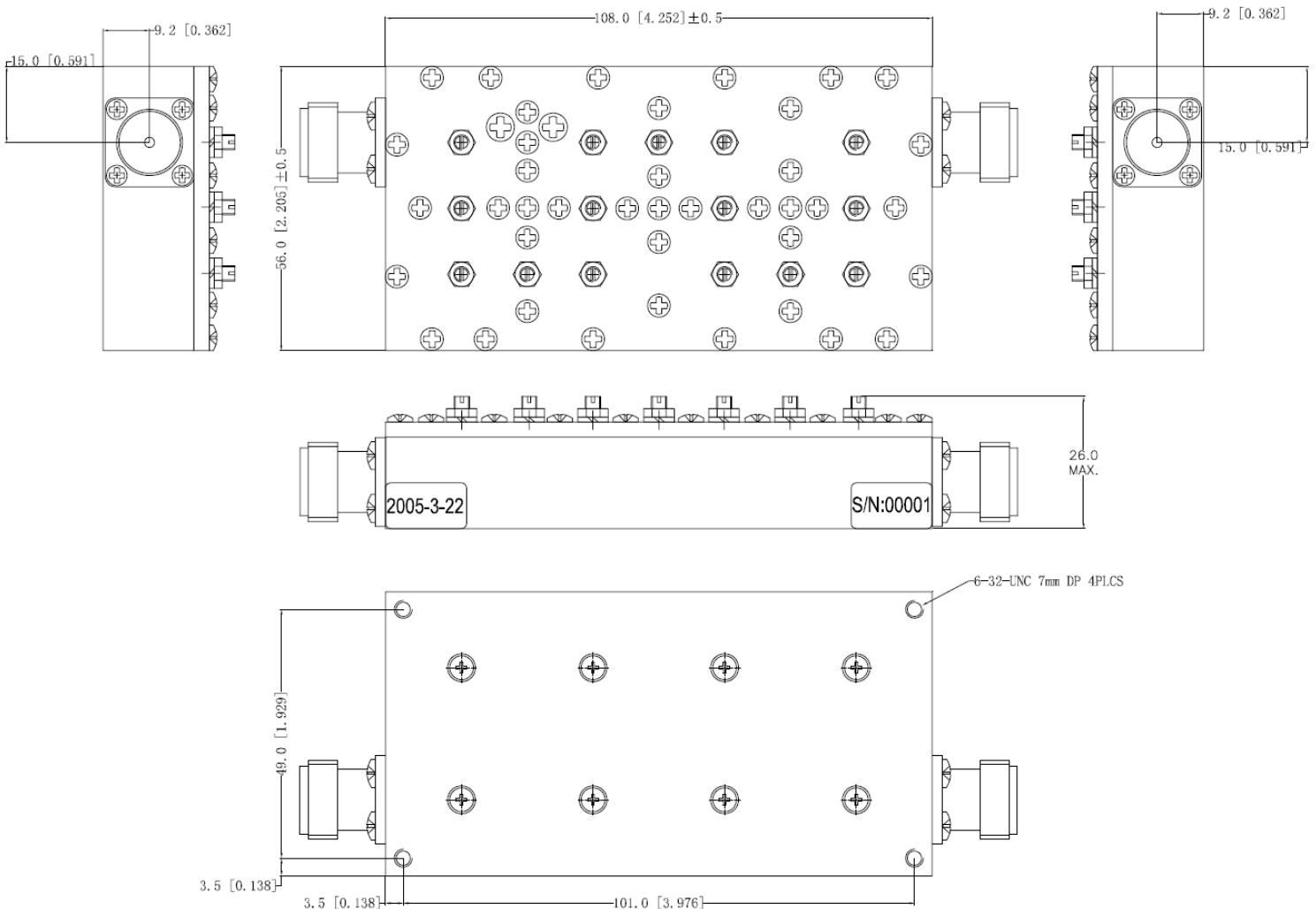
Mechanical

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:

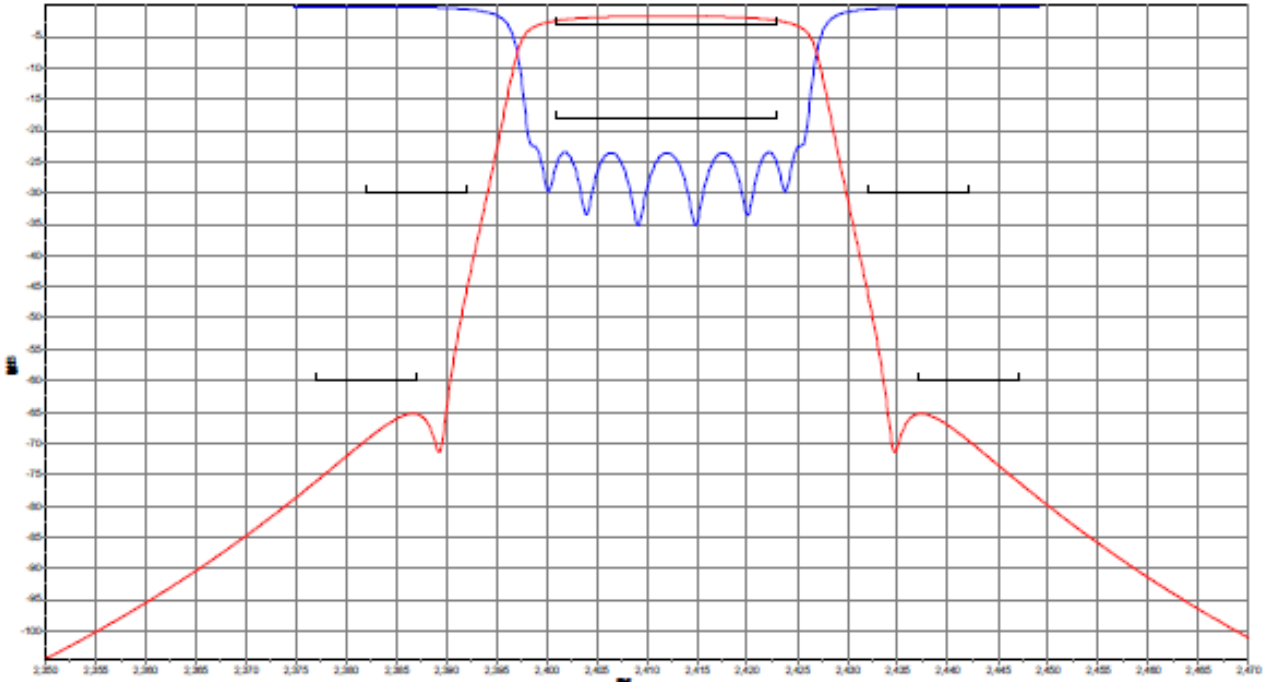


Fig.1 Return Loss and Rejection

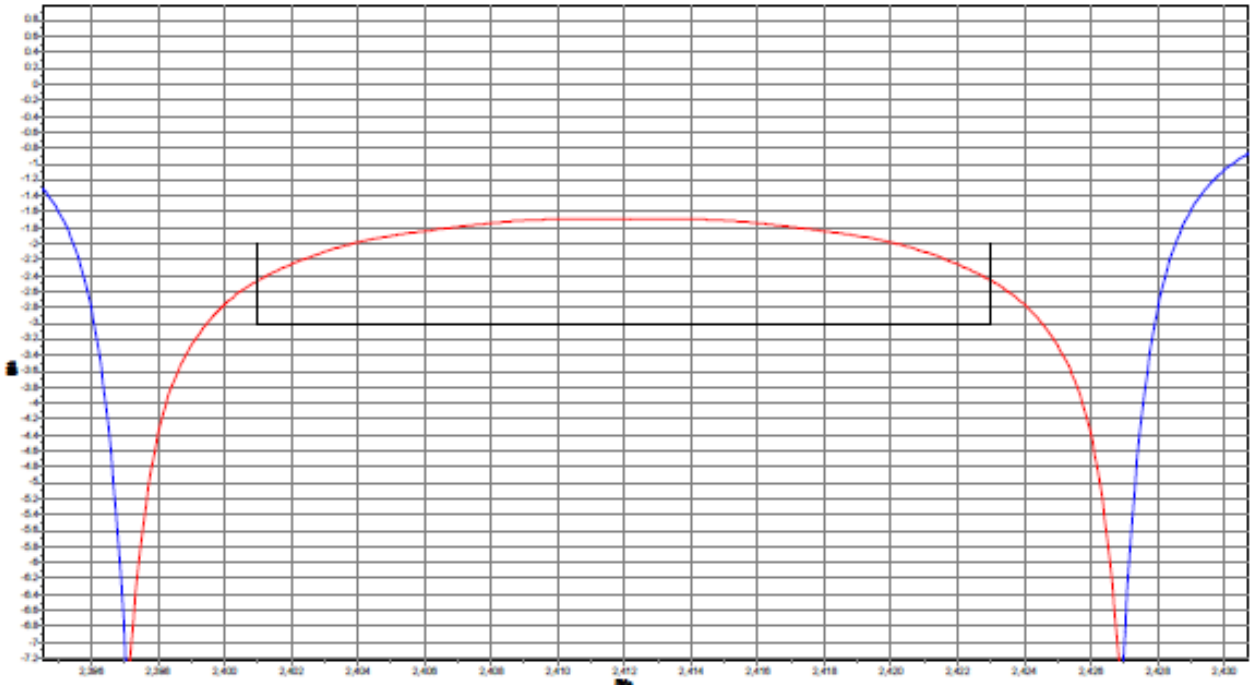


Fig.2 Insertion Loss and Ripple