



2440 MHz WiFi Cavity Bandpass Filter

Part Number: AB2440B1163



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

Electrical specifications

Center Frequency: 2440 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

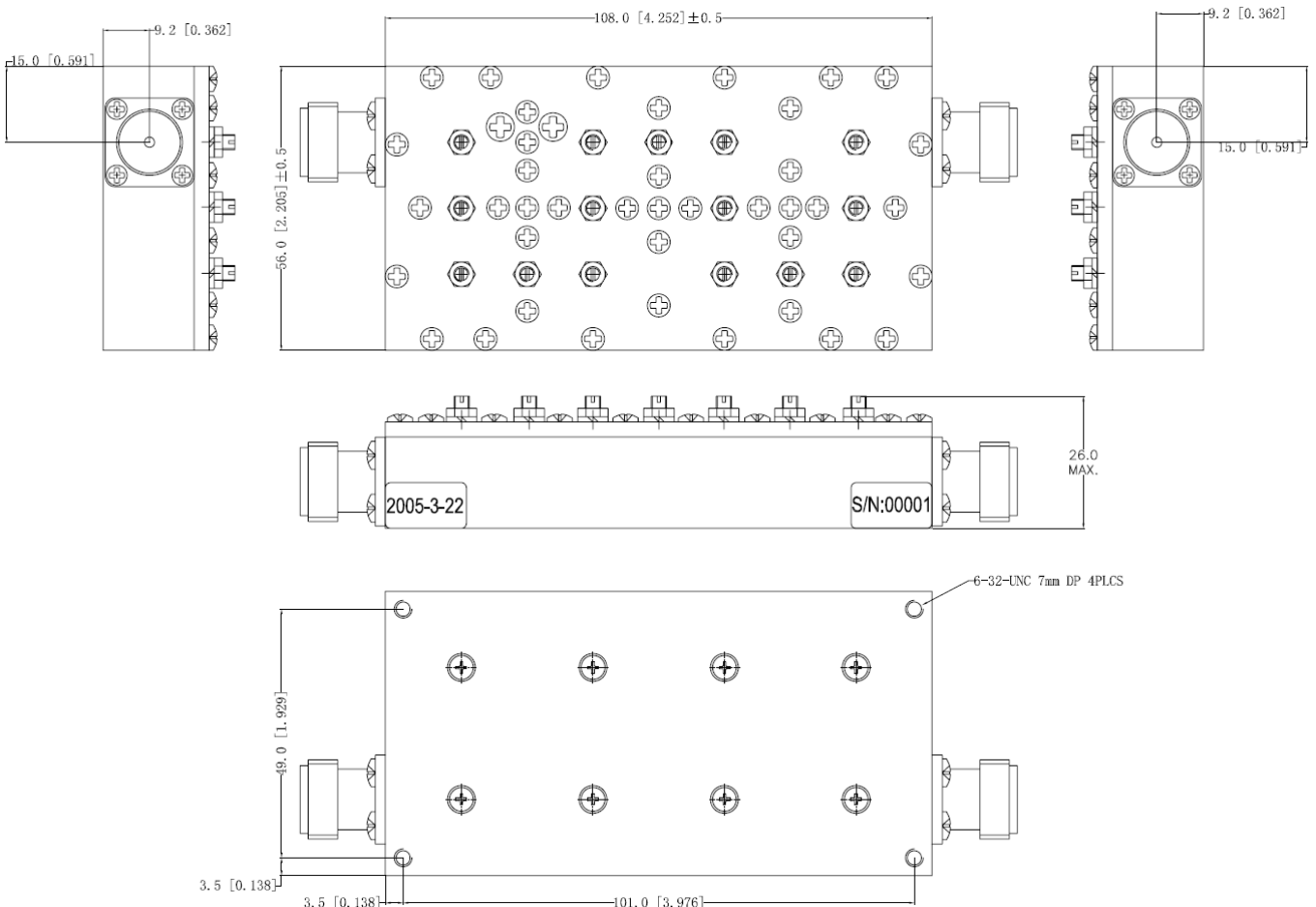
Mechanical

Mounting Method: Threaded Mounting Holes
Connector Type: N-Type Female
Dimensions: 4.52" 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

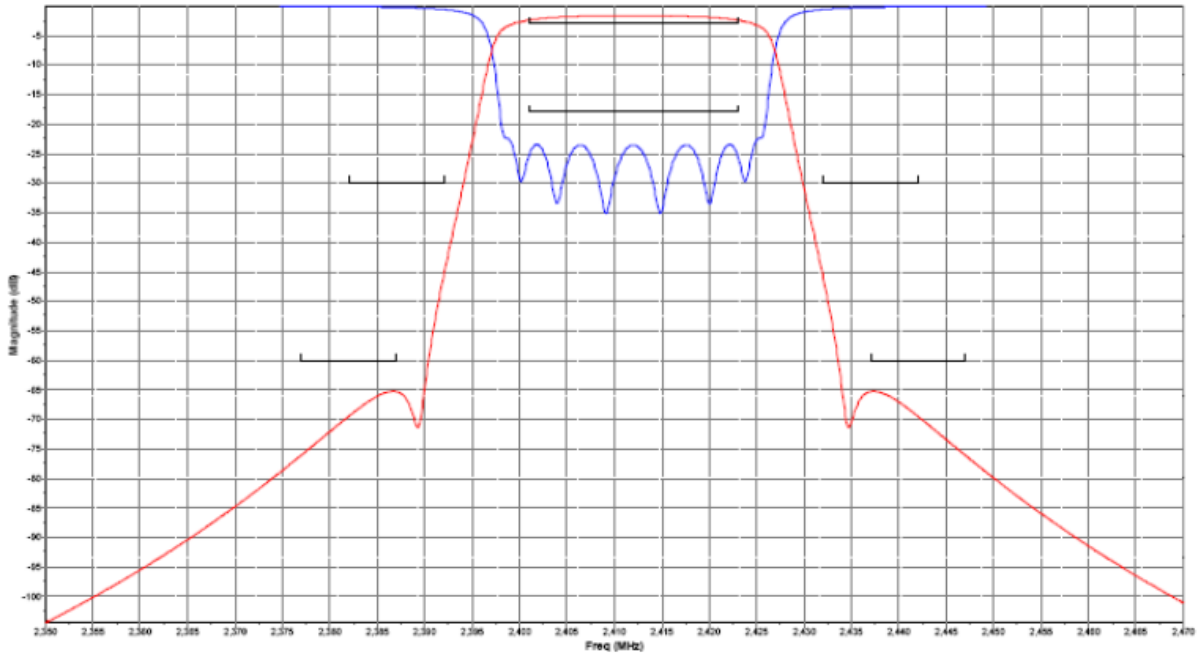


Fig.1 Return Loss and Rejection

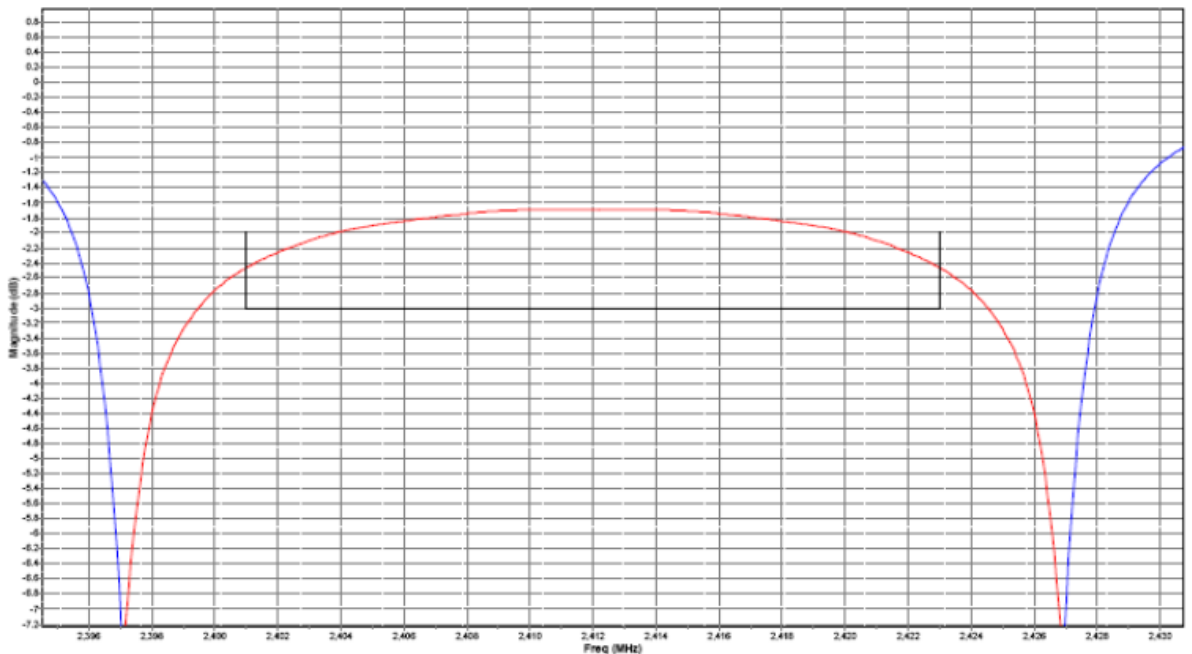


Fig.2 Insertion Loss and Ripple