



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

# 2452 MHz WiFi Cavity Band Pass Filter

**Part Number: WiFi4S2452-9**



## Electrical specifications

**Center Frequency:** 2452 MHz  
**1dB Bandwidth:** 22 MHz  
**Input / Output Impedance:** 50 Ohms  
**Passband:** 2437-2467 MHz  
**Passband Insertion Loss:** <2 dB (-1.5 dB Typical)  
**Passband Ripple:** <0.25 dB  
**Passband Return Loss:** >15 dB (-18 dB Typical)  
**Rejection:** >45 dB @ 2402 MHz  
**Rejection 2:** >45 dB @ 2502 MHz  
**Harmonic Rejection:** >90 dBc  
**Power Handling:** 50 W

## Mechanical

**Mounting Method:** Threaded Mounting Holes  
**Connector Type:** 2 N-Type (F)  
**Dimensions:** 56mm x 56mm x 21mm

## Environmental

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

## Outline Drawing:

