



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

# 902-915 MHz Cavity Bandpass Filter

**Part Number: AB908B1011**



## Electrical specifications

**Center Frequency:** 908.5 MHz

**Bandwidth:** 13 MHz

**Input / Output Impedance:** 50 Ohms

**Passband:** 902-915 MHz

**Passband Insertion Loss:** 0.4 dB max

**Passband Ripple:** 0.3 dB max

**Passband Return Loss:** 15 dB min

**Channel Rejection:**

850-860 MHz 32 dB min

870 MHz 30 dB min

875-885 MHz 30 dB min

890 MHz 40 dB min

891MHz > 45 dB

893 MHz > 40 dB

894 MHz > 45 dB

896 MHz > 16 dB

898 MHz 1.5 dB

900 MHz 0.6 dB

**Power Handling:** 1 W

## Mechanical

**Mounting Method:** Threaded Mounting Method

**Connector Type:** SMA (F)

**Dimensions:** 200 x 100 x 40 mm (max.)

## Environmental

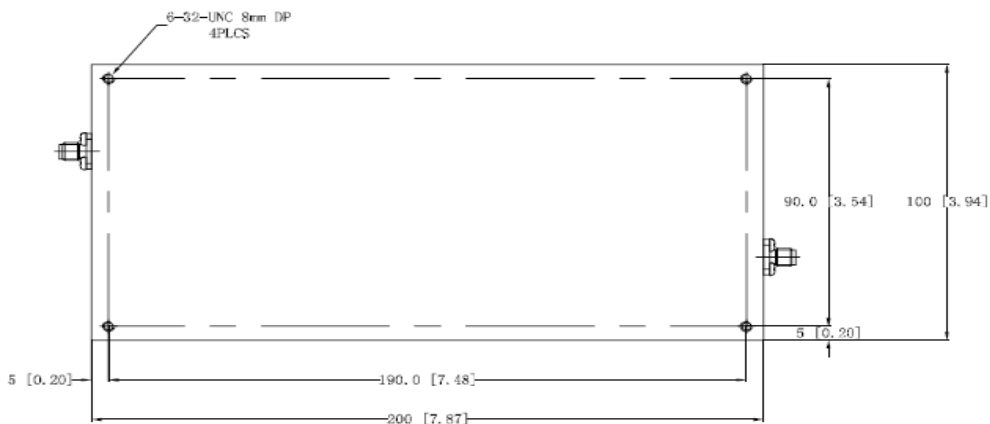
**Operating Temperature:** -45 to +85 deg.C

**Storage Temperature:** -55 to +95 deg.C

**Shock:** 20 G. 11ms

**Vibration:** 20 G. 5 to 200 MHz

## Outline Drawing:





### Response Plot:

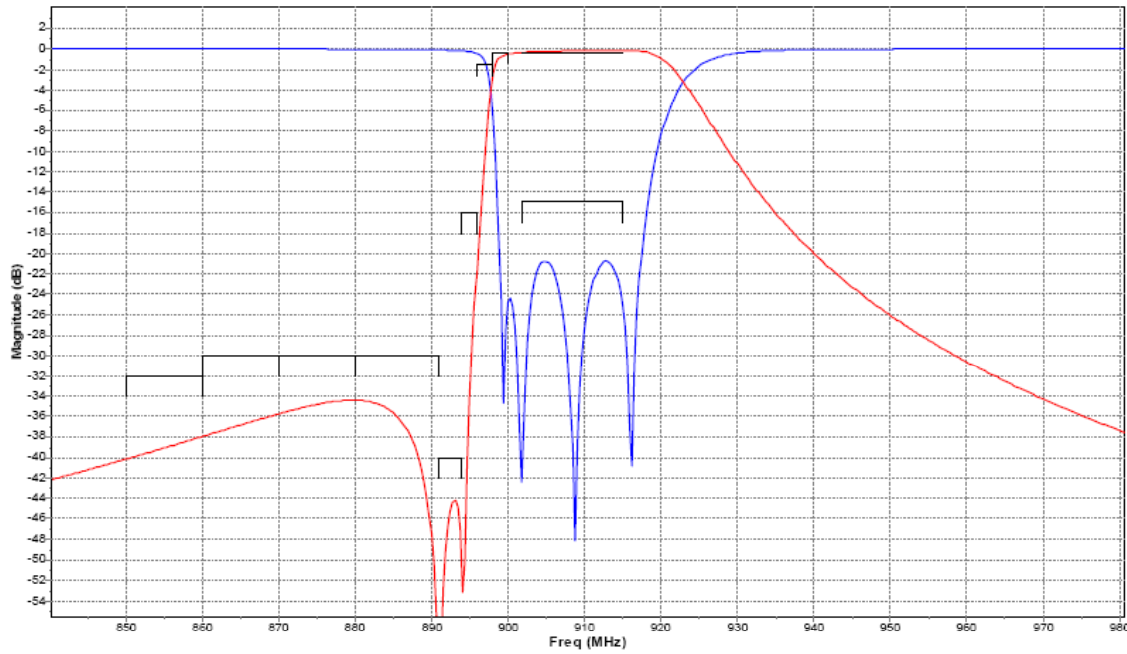


Fig.1 Return Loss and Rejection

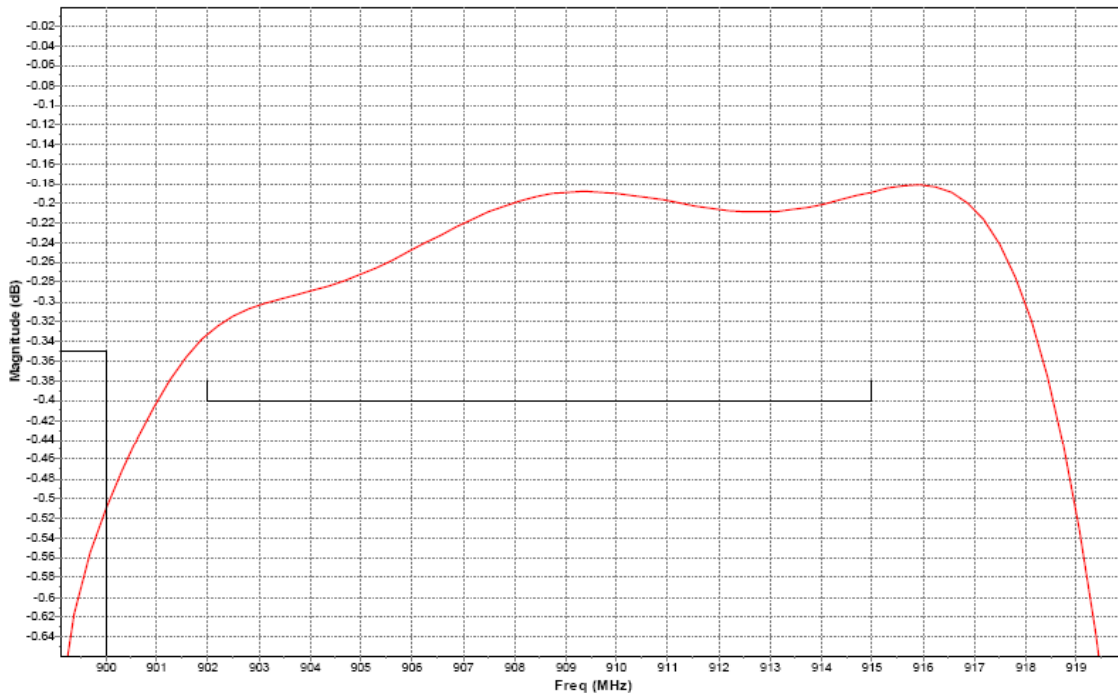


Fig.2 Insertion Loss and Matching