



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

# 942.5 MHz Cavity Bandpass Filter

**Part Number: AB942B834**



## Electrical specifications

**Center Frequency:** 942.5 MHz  
**Bandwidth:** 35 MHz (0.5 dB)  
**VSWR at Fo:** 1.35  
**Input / Output Impedance:** 50 Ohms  
**Passband:** 925-960 MHz  
**Passband Insertion Loss:** 0.5 dB  
**Passband Ripple:** <0.2 dB  
**Passband Return Loss:** >14 dB  
**Rejection Frequency on low side:** 915 MHz  
**Rejection Frequency on high side:** 980 MHz  
**Attenuation:** 50 dB  
**Power Handling:** 50 W

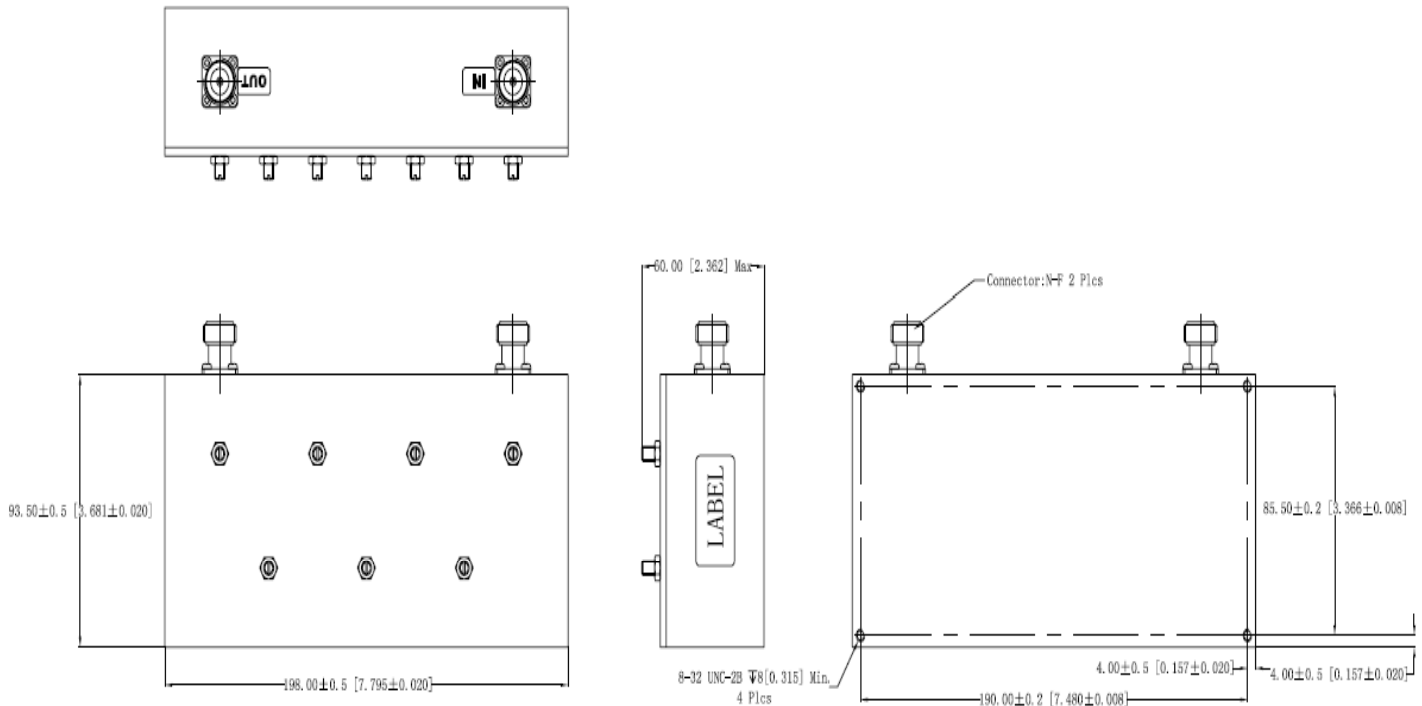
## Mechanical

**Mounting Method:** Threaded Mounting Holes  
**Connector Type:** N-Type Female  
**Dimensions:** 198 x 93 x 85 mm.

## 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

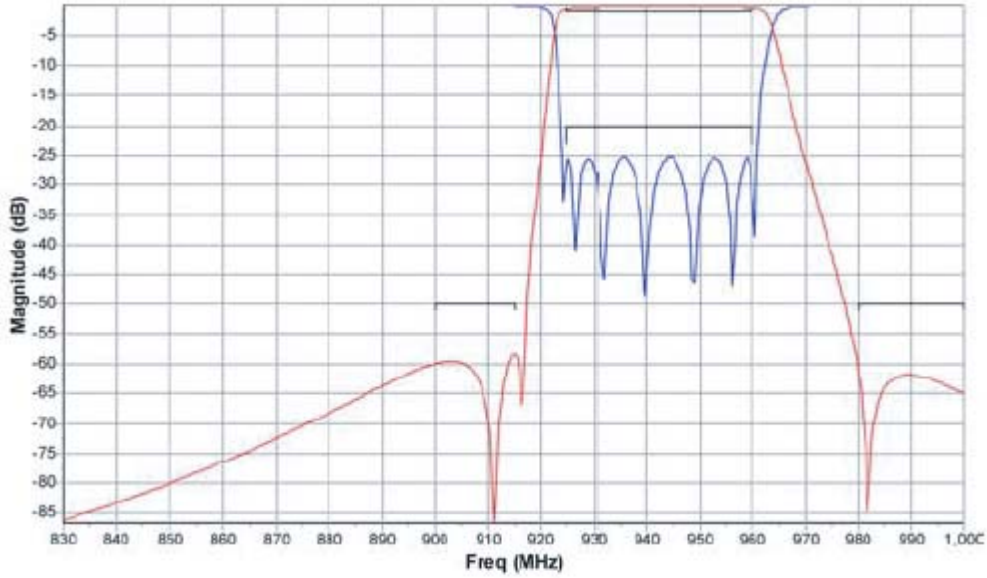
## Outline Drawing:





### Response Plot:

### Attenuation and Return Loss:



### Insertion Loss:

