



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

# 5180 MHz Cavity Band Pass Filter

**Part Number: AB5180B894**



## Electrical specifications

**Center Frequency:** 5180 MHz  
**Bandwidth:** 20 MHz  
**Input / Output Impedance:** 50 Ohms  
**Passband:** 5170-5190 MHz  
**Passband Insertion Loss:** 1.75 dB max  
**IL Variation:** 0.75 dB over PB  
**Passband Ripple:** <0.2 dB  
**Passband Return Loss:** >14 dB  
**Rejection:** DC-(CF-20) MHz, 20 dBc min  
**Rejection 2:** CF+>20 MHz >5700 MHz, approx. 80 dB  
**Power Handling:** 20 W  
**Group Delay Variation:** 4 ns over any 0.5 MHz in PB

## Mechanical

**Mounting Method:** Threaded Mounting Holes  
**Connector Type:** N-Type (F) and N-Type (M)  
**Dimensions:** 3.28 x 3.28 x 1.34 Inches

## Environmental

**Operating Temperature:** -30° C to +60° C  
**Storage Temperature:** -55° C to 95° C  
**Shock:** 20 G. 11ms  
**Vibration:** 20 G. 5 to 200 MHz

## Outline Drawing:

