



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

# 18825-18935 MHz Cavity Bandpass Filter

**Part Number: AB18880B1066**



## FL13/FL15

### Electrical specifications

- Passband: 18825-18935MHz
- Passband Insertion Loss:  $\leq 4.5$ dB
- Passband Ripple:  $\leq 0.5$ dB
- Passband Return Loss:  $\geq 12$ dB
- Passband Group Delay ripple:  $\leq 15$  nsec
- Rejection 1:  $\geq 22$ dB@18770MHz, 18990MHz
- Rejection 2:  $\geq 36$ dB@18715MHz, 19045MHz
- Rejection 3:  $\geq 48$ dB@18660MHz, 19100MHz
- Rejection 4:  $\geq 54$ dB@18605MHz, 19155MHz
- Rejection 5:  $\geq 60$ dB@18550MHz, 19210MHz
- Rejection 6:  $\geq 70$ dB@18495MHz, 19265MHz
- Rejection 7:  $\geq 75$ dB@18468MHz, 19293MHz
- Rejection 8:  $\geq 40$ dB@1000-3000MHz
- Rejection 9:  $\geq 60$ dB@3000-6000MHz
- Rejection 10:  $\geq 68$ dB@6000-15000MHz
- Rejection 11:  $\geq 70$ dB@15000-18000MHz
- Rejection 12:  $\geq 60$ dB@19500-20500MHz
- Rejection 13:  $\geq 70$ dB@20500-27000MHz
- Power Handling: 1W(CW)
- Input / Output Impedance: 50 Ohms

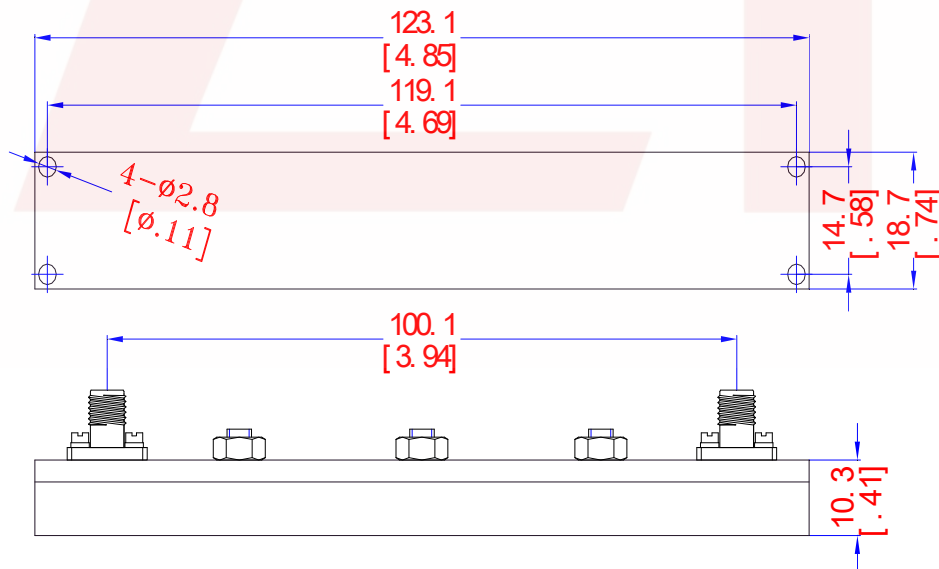
### Mechanical

Connector Type: SMA (F)  
Dimensions: 4.85 x .74 x .41 inches

### Environmental

Operating Temperature: +15 to +30 deg. C  
Storage temperature: -65 to +95 deg.C  
Shock: 20 G's, 1/2 sine, 11ms  
Vibration: 10 G's, 10-2000Hz  
Relative Humidity: 0-95%

### Outline Drawing:



DS-B1066-03152018-Rev0