



# 9700-10700 MHz Cavity Band Pass Filter

Part Number: AE10200B11683

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



## Electrical specifications

**Center Frequency:** 10200MHz  
**1 dB Bandwidth:** 1000 MHz  
**Passband Frequency:** 9700-10700 MHz  
**Insertion Loss @ 10200 MHz :** ≤0.7dB  
**Passband Return Loss:** ≥14dB  
**Rejection1:** 60 dB Min. @ 8500 MHz  
**Rejection 2:** 60 dB Min. @ 12000 MHz  
**Input / Output Impedance:** 50 Ohms  
**Power Handling:** 20 Watts

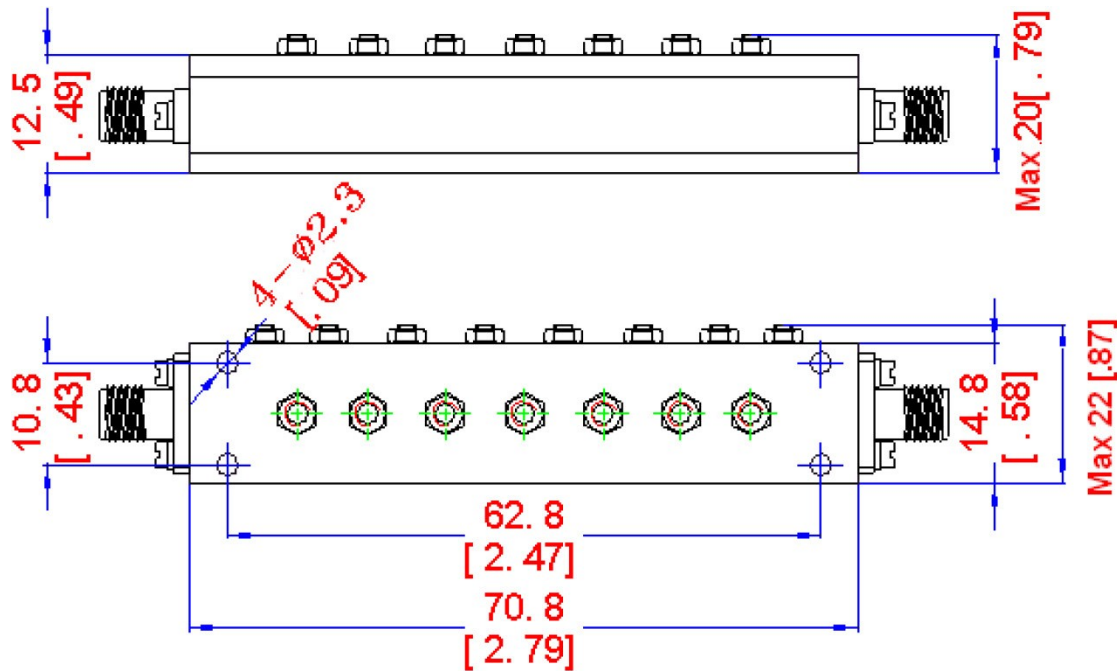
## Mechanical

**Mounting Method:** Through Holes  
**Connector Type:** SMA (F)  
**Dimensions:** 2.79 x 0.58 x 0.79 inches  
**Surface Finish:** Black

## Environmental

**Operating Temperature:** -45 to +85 deg.C  
**Storage temperature:** -65 to +95 deg.C  
**Shock:** 20 G's, ½ sine, 11ms  
**Vibration:** 10 G's, 10-2000Hz  
**Relative Humidity:** 0-95%

## Outline Drawing:



2 decimal places: +/-0.01 inches [+/- 0.3mm]  
3 decimal places: +/- 0.005 inches [+/- 0.13mm]  
Angles: +/- 1 Deg.

*When max dimensions are called out the above tolerances do not apply as long as it is under the max call out.*