



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

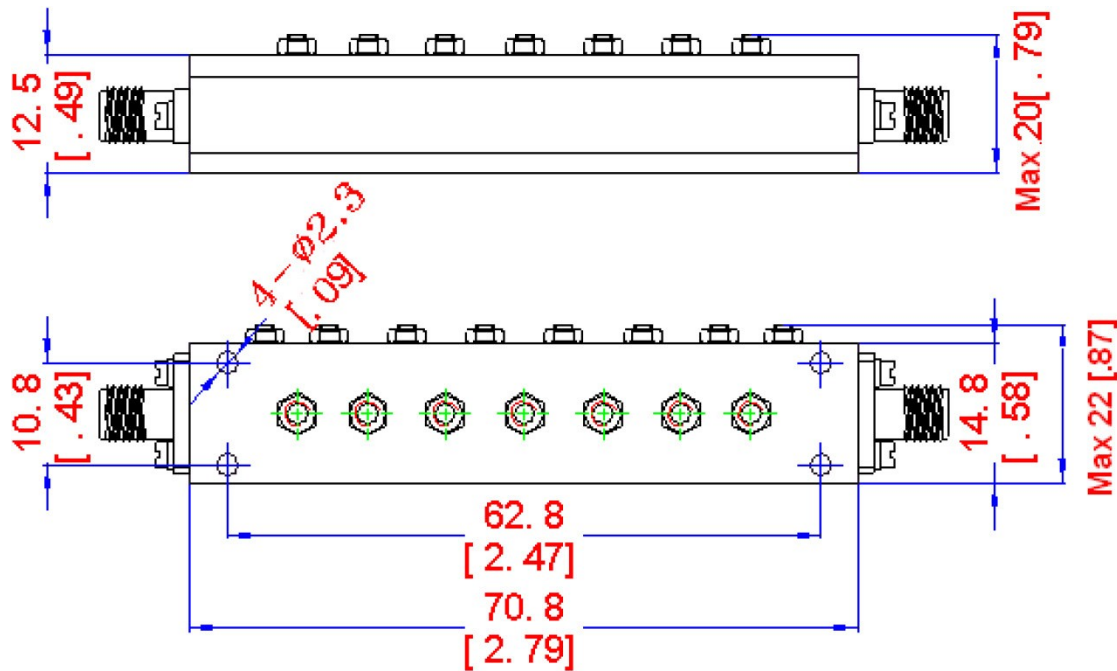
Mechanical

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.