

Cavity Filter

ACF29.95G31.05G30S3

Revision record

Date	Version	Author	Revision description	Comment
2024/09/06	V1.0	Lee	Created	/

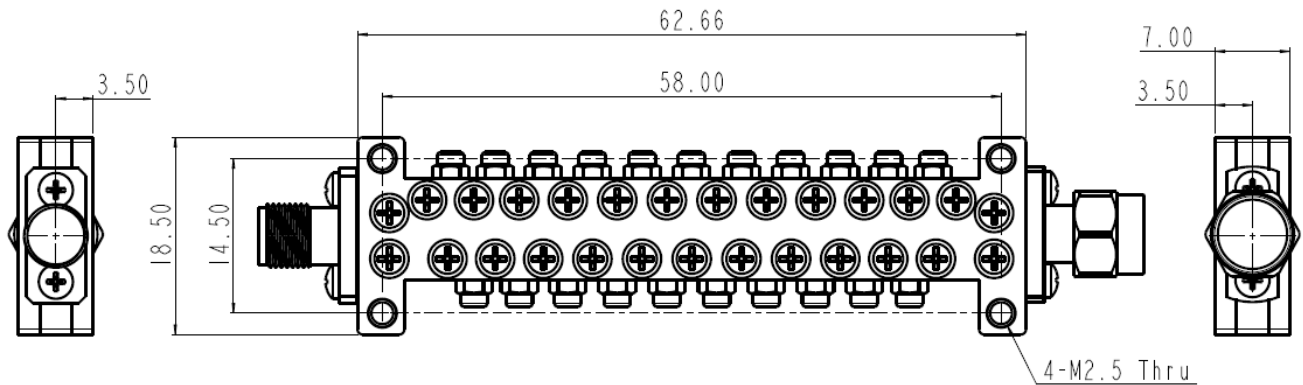
Electrical specification

Parameter	Specification
Frequency Band	29950-31050MHz
Return Loss	≥15dB
Insertion loss	≤1.5dB @ 30500MHz ≤2.4dB @ 29950-31050MHz
Insertion loss variation	≤0.3dB peak-peak in any 80MHz interval in the range of 30000-31000MHz ≤0.65dB peak-peak in the range of 30000-31000MHz
Rejection	≥80dB @ DC-29300MHz ≥40dB @ 29300-29500MHz ≥40dB @ 31500-31950MHz ≥60dB @ 31950-44000MHz
Group delay variation	≤0.2ns peak-peak in any 25 MHz interval, in the range of 30000-31000MHz ≤1.5ns peak-peak in the range of 30000-31000MHz
Impedance	50 Ohm
Temperature range	-30°C to +70°C

Mechanical specification

Parameter	Specification
Dimension	L x W x H: 62.66mm x 18.5mm x 7.0mm
Port connectors	2.92-Female / 2.92-Male
Finish	Silver
Notes	Material shall be RoHS 6/6

Outline



Simulation curve

