

Cavity Filter

ACF25.45G27.05G20SMF

Revision record

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

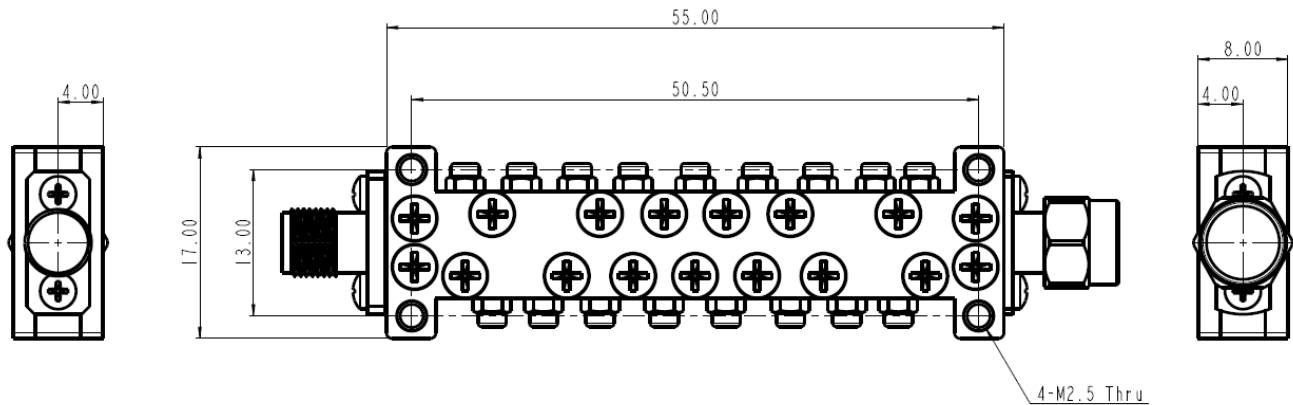
Electrical specification

Parameter	Specification
Frequency Band	25450-27050MHz
Return Loss	≥18dB
Insertion loss	≤1.5dB
Insertion loss variation	≤0.2dB peak-peak in any 80MHz interval ≤0.5dB peak-peak in the range of 15500-27000MHz
Rejection	≥80dB @ DC-23850MHz ≥40dB @ 23850-24500MHz ≥40dB @ 28000-29000MHz ≥60dB @ 29000-45000MHz
Group delay variation	≤1ns peak-peak within any 80 MHz interval, in the range of 25500-27000MHz
Temperature range	-30°C to +70°C

Mechanical specification

Parameter	Specification
Dimension	L x W x H: 55mm x 17mm x 8mm
Port connectors	SMA-Female / SMA-Male
Finish	Silver
Notes	Material shall be RoHS 6/6

Outline



Simulation curve

