

Cavity Filter

ACF7.2G7.8GS8

Revision record

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

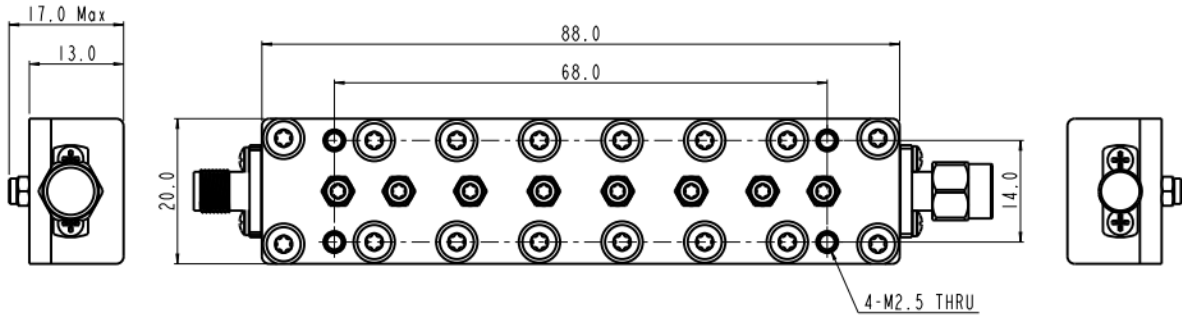
Electrical specification

Parameter	Specification	
Frequency range	7200-7800MHz	
Insertion loss	≤1.0dB	
Passband insertion loss Variation	≤0.2 dB peak-peak in any 80MHz interval ≤0.5 dB Peak-peak in the range of 7250-7750MHz	
Return loss	≥18dB	
Rejection	≥75dB@DC-6300MHz	≥80dB@8700-15000MHz
Group delay variation	≤0.5 ns peak-peak within any 80 MHz interval, in the range of 7250-7750MHz	
Temperature range	43 KW	
Operating temperature range	-30°C to +70°C	
Phase Linearity	2 MHz ±0.050 radians 36 MHz ±0.100 radians 72 MHz ±0.125 radians 90 MHz ±0.150 radians 120 MHz ±0.175 radians	
Impedance	50Ω	

Mechanical specification

Parameter	Specification	
Dimension	L x W x H: 88mm x 20mm x 13mm (17.0 Max)	
Connectors	SMA(3.5mm)-Female	SMA(3.5mm)-Male
Finish	Black (paint spraying)	
Notes	Material shall be RoHS 6/6	

Outline



Simulation curve

