

Cavity Filter

ACF18G24GJ25

Revision record

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

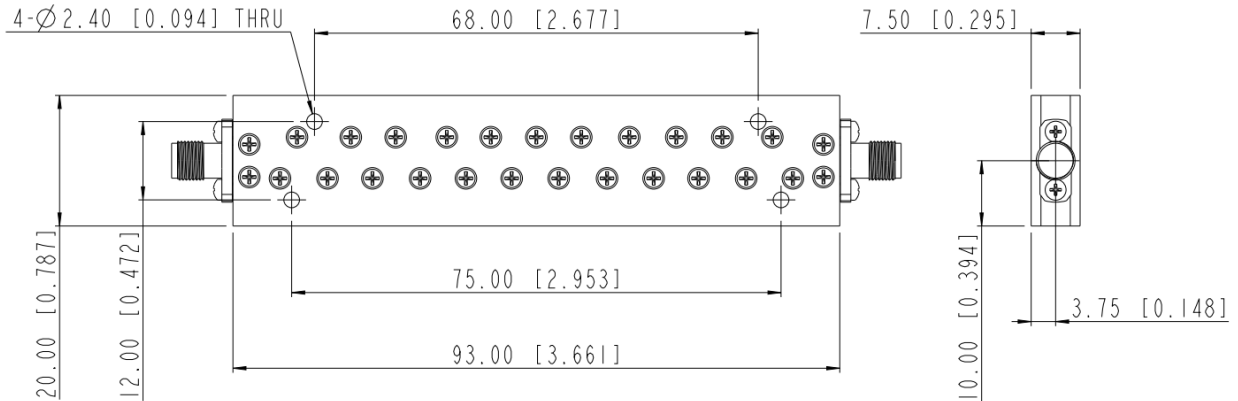
Electrical specification

Parameter	Specification	
Frequency range	18-24GHz	
Insertion loss	$\leq 3.0\text{dB}$	
Ripple	$\pm 0.75\text{dB}$	
Return loss	$\geq 10\text{dB}$	
Rejection	$\geq 40\text{dB}@DC-16.5\text{GHz}$	$\geq 40\text{dB}@24.25-30\text{GHz}$
Power Handling	1W(CW)	
Operating temperature range	-40°C to $+85^{\circ}\text{C}$	
Impedance	50Ω	

Mechanical specification

Parameter	Specification
Dimension	L x W x H: 93mm x 20mm x 7.5mm
Connectors	SMA-Female
Finish	Black Paint
Notes	Material shall be RoHS 6/6

Outline



Simulation curve

m1 freq=17.97GHz dB(S(2,1))=-0.729	m2 freq=24.03GHz dB(S(2,1))=-1.537	m3 freq=24.22GHz dB(S(2,1))=-45.358	m4 freq=16.50GHz dB(S(2,1))=-171.566
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