

Cavity Filter

ACF35G40G40F

Revision record

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

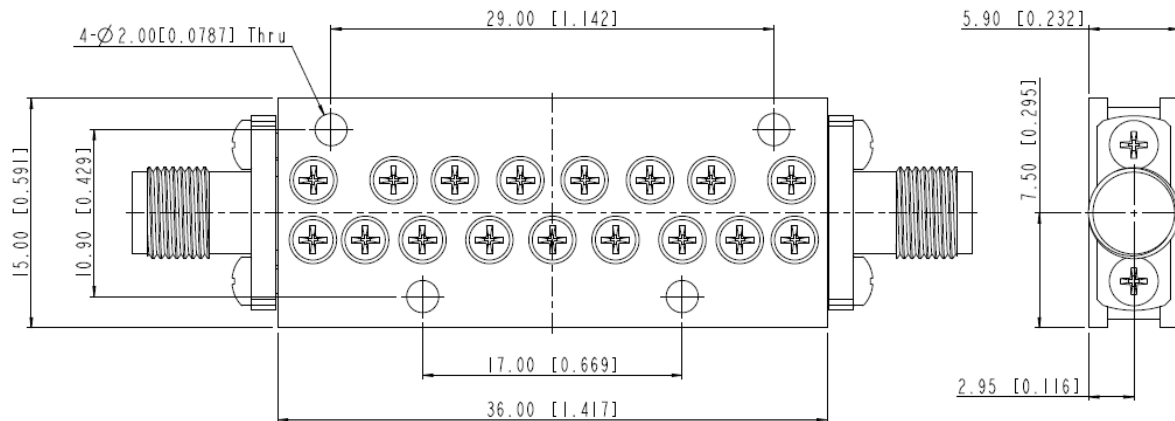
Electrical specification

Parameter	Specification
Frequency range	35-40GHz
Insertion loss	$\leq 1.0\text{dB}$
Return loss	$\geq 12.0\text{dB}$
Rejection	$\geq 40\text{dB}@DC-31.5\text{GHz}$ $\geq 40\text{dB}@42\text{GHz}$
Power handling	1W (CW)
Specification temperature	+25°C
Operating temperature range	-40°C to +85°C
Impedance	50 Ω

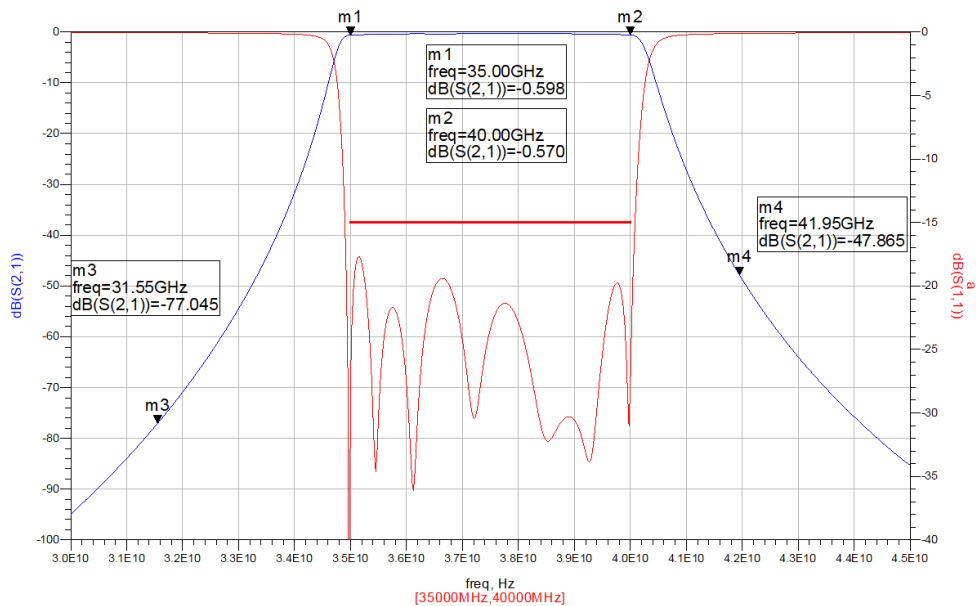
Mechanical specification

Parameter	Specification
Dimension	L x W x H: 36mm x 15mm x 5.9mm
Port connectors	2.92-Female
Finish	Black spray paint
Notes	Material shall be RoHS 6/6

Outline



Simulation curve



Eqn a=plot_vs([-15,-15],[35000MHz,40000MHz])

