

# Cavity Filter

## ACF9100M9300M70S1

### Revision record

Date	Version	Author	Revision description	Comment
2024/11/08	V1.3	Lee	Created	/

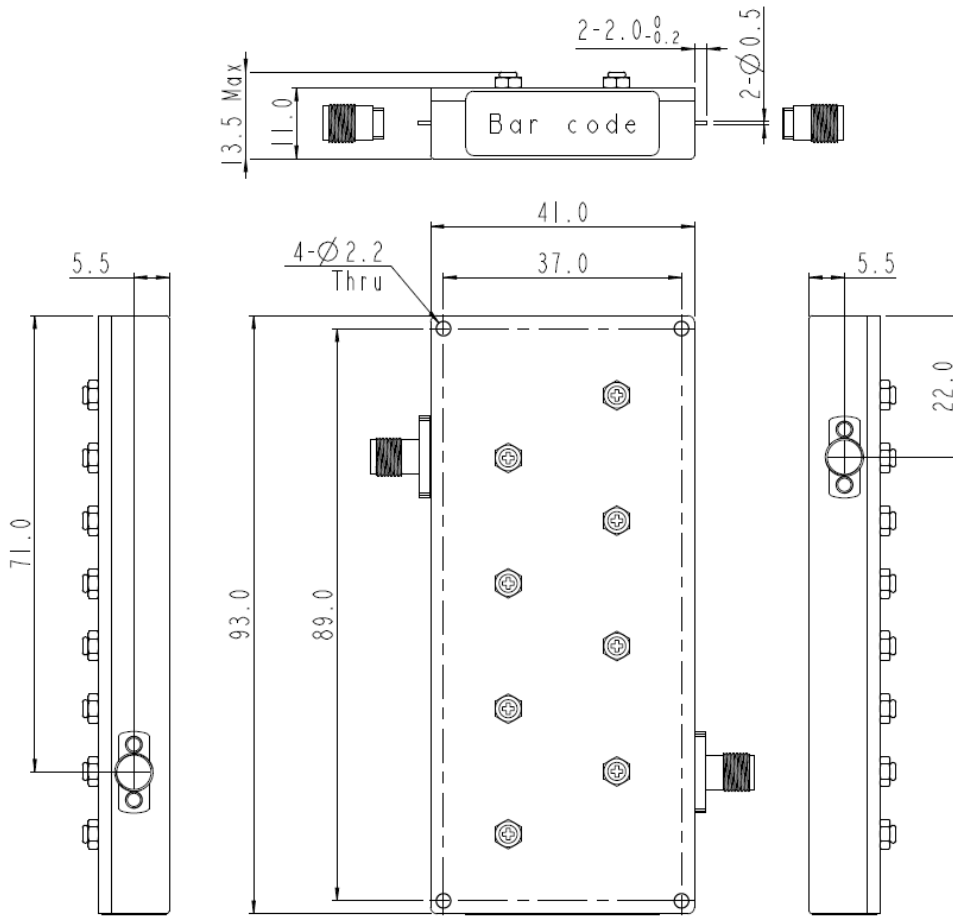
### Electrical specification

Parameters	Specifications
Center frequency	9200MHz
Bandwidth (0.5dB)	≥200MHz (9100-9300MHz)
Insertion loss	≤1.0dB@-40 to +50°C ≤1.2dB@+50 to +85°C
Ripple	±0.5dB
Return loss	≥15dB
Rejection	≥ 90dB @8600MHz ≥ 35dB @9000MHz ≥ 70dB @9400MHz ≥ 90dB @9800MHz
Power Handling	10Watt
Temperature range	-40°C to +85°C
Impedance	50Ω

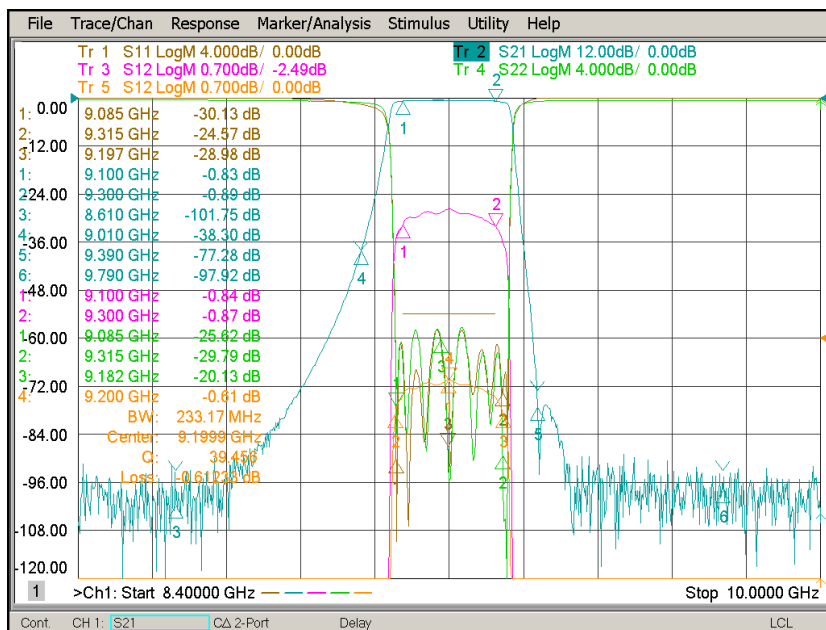
### Mechanical specification

Parameter	Specification
Dimension	L x W x H: 93mm x 41mm x 11mm (Max:13.5mm)
Connectors	Needle ø0.5*2.0mm PIN (SMA-Female Removable)
Finish	Silver
Mounting	4-φ2.2
Application	Indoor
Notes	Material shall be RoHS 6/6

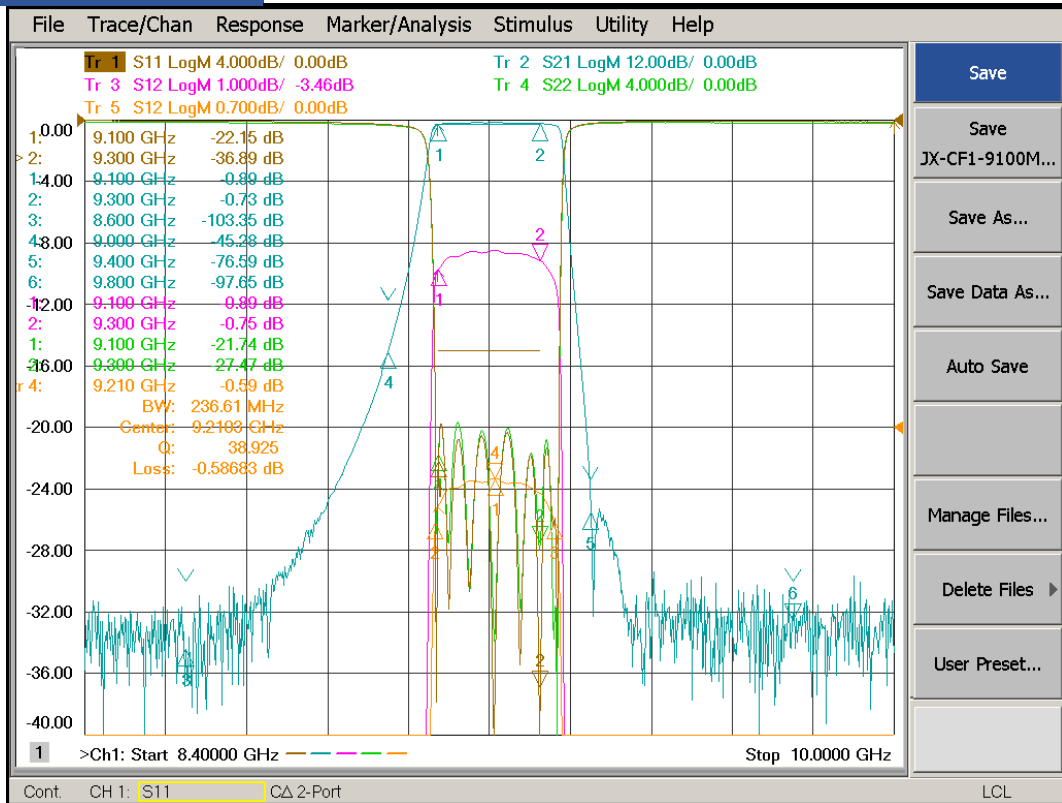
Outline



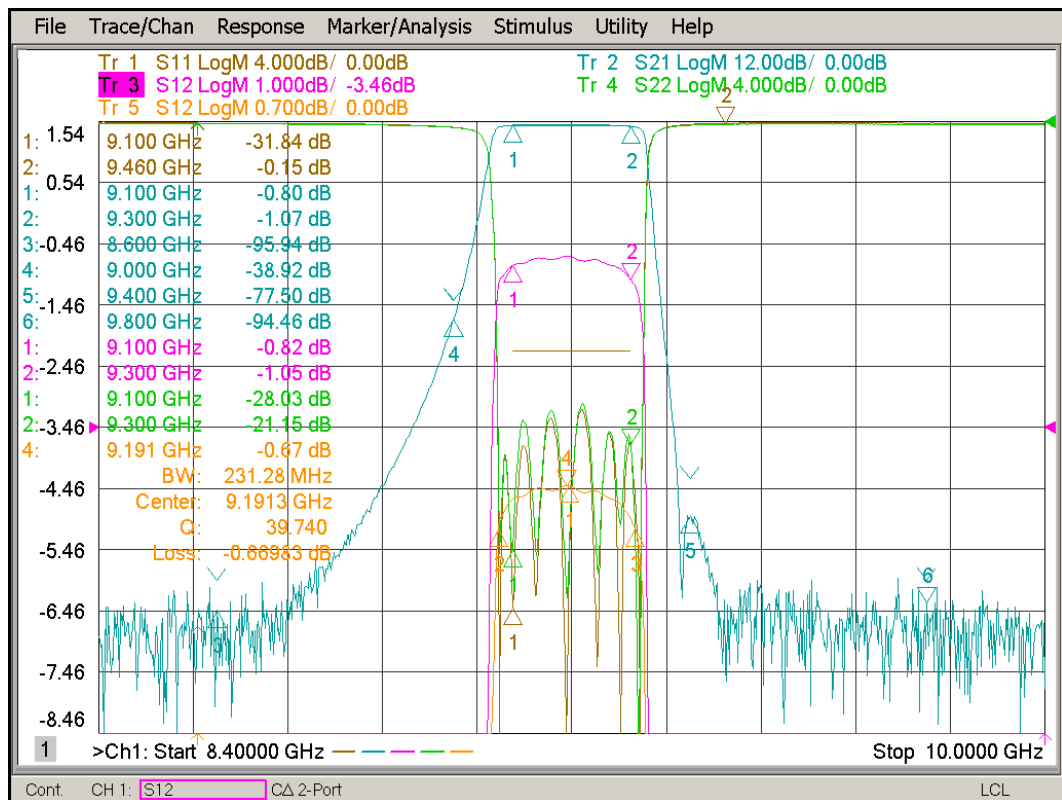
Test curve



Test curve @ +25°C



Test curve @ -40°C



Test curve @ +85°C