1. Feature

Lowpass Filter

Part No: CLF01000M04000N02

Date: Nov.12th.2025

Revision No: Preliminary

- **High Performance**
- **High Reliability**
- **RoHS Compliant**

2. Electrical Specifications

Parameter	Specification	Remark
Pass Band	1000-4000MHz	
Insertion Loss	≤2.0dB	
VSWR	≤2.0	
Rejection	≥40dB@4200-18000MHz	
Average Power	100W	
Impedance	50Ω	

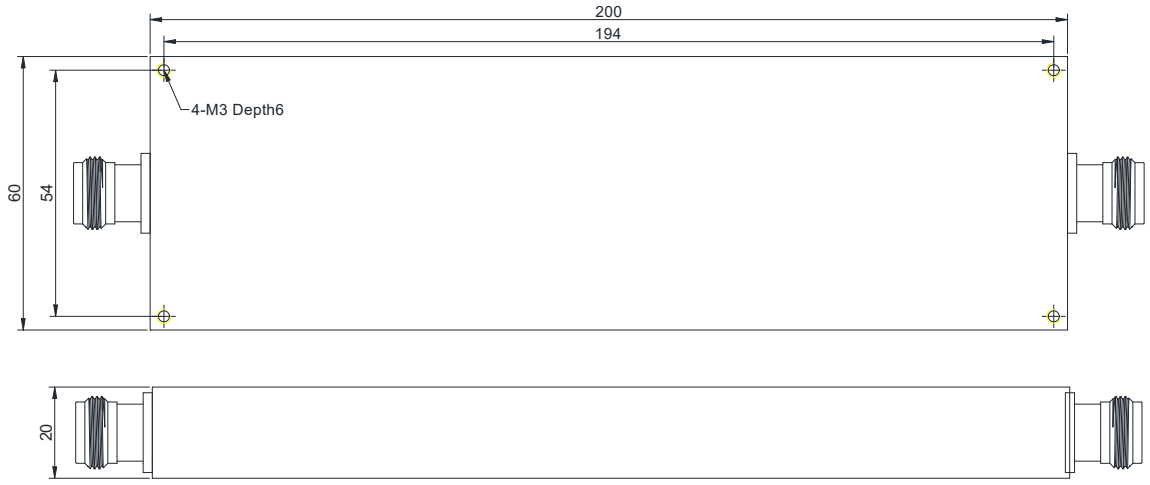
3. Mechanical Specifications

Parameter	Specifications	Remark
Dimensions	200.0 x 60.0 x 20.0 mm (Not including the tuning screws and connectors)	
Connector Type	N-female	
Surface Finish	Black Painting	

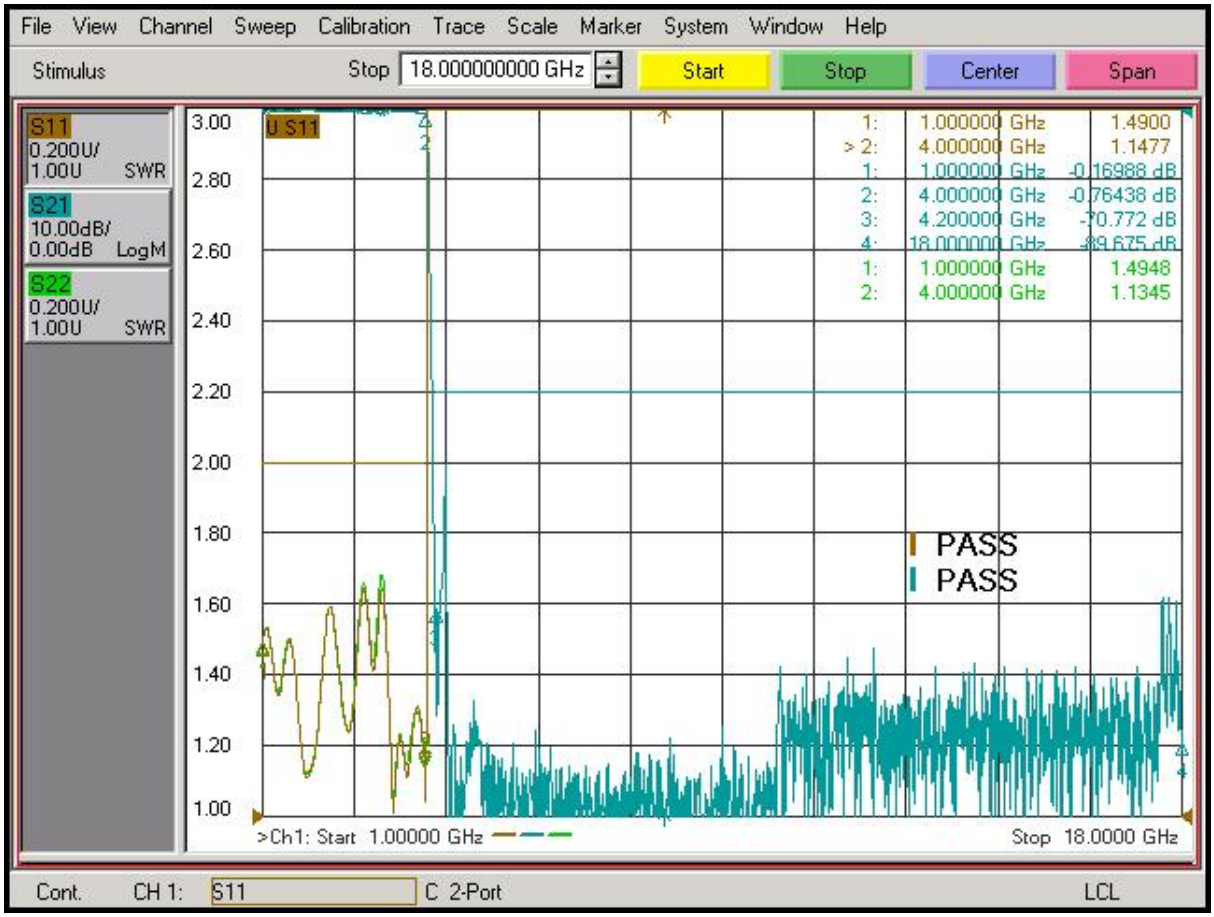
4. Temperature Specifications

Parameter	Specifications	Remark
Operational Temperature	-20 to +70 ℃	
Storage Temperature	-45 to +85 ℃	

5.Outline Drawing (±0.5mm)



6.Test Curve


File View Channel Sweep Calibration Trace Scale Marker System Window Help
Stimulus
Stop 18.000000000 GHz
Start
Stop
Center
Span
S11
0.200U/
1.00U SWR
S21
10.00dB/
0.00dB LogM
S22
0.200U/
1.00U SWR
3.00
2.80
2.60
2.40
2.20
2.00
1.80
1.60
1.40
1.20
1.00
U S11
1: 1.000000 GHz 1.4900
> 2: 4.000000 GHz 1.1477
1: 1.000000 GHz -0.16988 dB
2: 4.000000 GHz -0.76438 dB
3: 4.200000 GHz -70.772 dB
4: 18.000000 GHz -89.675 dB
1: 1.000000 GHz 1.4948
2: 4.000000 GHz 1.1345
PASS
PASS
>Ch1: Start 1.00000 GHz
Stop 18.0000 GHz
Cont.
CH 1:
S11
C 2-Port
LCL