

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	0.01	~	50	GHz
Gain		36		dB
Gain flatness		± 3		dB
Noise figure		4.5		dB
VSWR		2.0		
P-1dB		12		dBm
Psat		15		dBm
Max input power		5		dBm

Other parameters

Connector	2.4-F or K
Impedance	50 Ω
Working voltage	+5V
Working current	220mA
Operation Temp.	-30~+60°C Design assurance

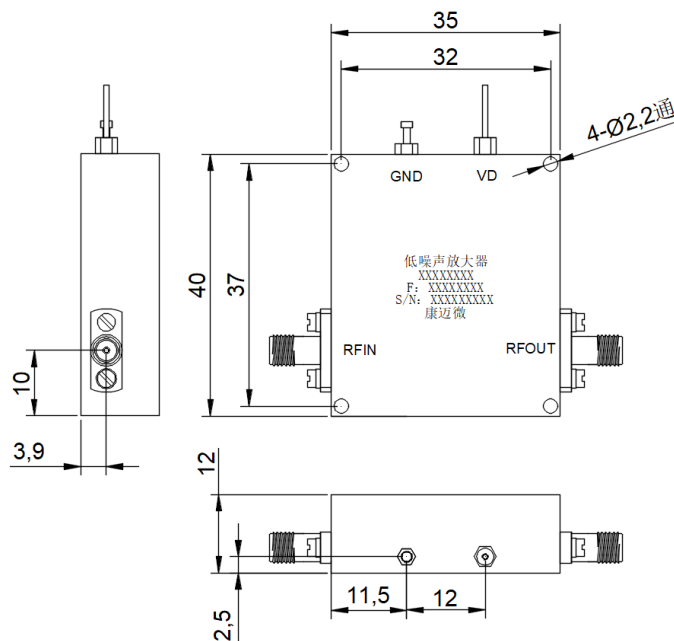
Typical test data

Frequency GHz	S11 VSW R	S22 VSW R	S21 Gain dB	S21 P-1 dBm	S21 Psat dBm
0.01	1.11	1.48	37.45	13.50	17.40
3.58	1.18	1.40	36.88	14.50	17.90
7.15	1.14	1.34	38.59	15.20	18.40
10.72	1.08	1.56	38.79	15.60	18.50
14.29	1.19	1.36	39.11	15.10	18.00
17.86	1.14	1.32	37.56	14.50	18.00
21.43	1.47	1.05	37.33	14.80	18.10
25.01	1.24	1.45	37.41	14.00	17.50
28.58	1.11	1.37	38.24	14.00	18.20
32.15	1.07	1.44	37.62	14.50	18.30
35.72	1.06	1.35	37.95	14.10	17.60
39.29	1.44	1.39	38.15	13.80	17.20
42.86	1.49	1.76	37.50	12.60	16.50
46.43	1.88	1.34	36.82	9.80	15.10
50.00	1.49	1.94	35.53	8.40	13.70

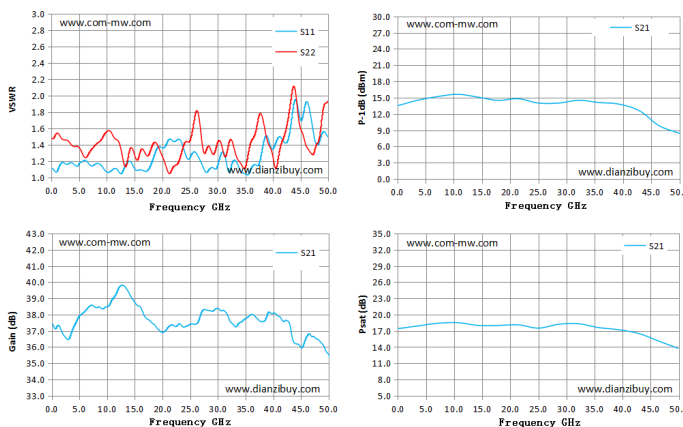
Reference picture



Configuration(mm)

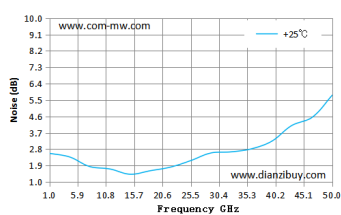
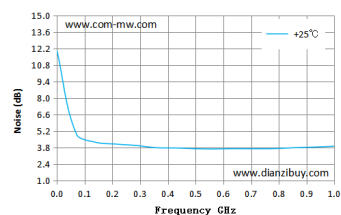


Typical test curve



Note: The specifications and performance data contained in this data sheet are based on tests established by CMW.

Typical test curve



Note

Store in an environment with humidity less than 25%, pay attention to dust and static electricity prevention;

Please pay attention to the power consumption of the product and consider the issue of amplifier heat dissipation during design;

If the amplifier is directly connected to the antenna, electrostatic protection or limiter protection should be applied.

Working or storage temperature less than 125 °C;

Clean the surface of the product, do not soak the product in cleaning solution for cleaning.