

Main specifications

Parameters	Min	Typical	Max	Units	Units
Frequency	40	~	67	GHz	
Gain	48	52		dB	
Gain flatness		±4		dB	
Noise figure		10 (设计保证)		dB	
VSWR		2			
P-1dB		17 (设计保证)		dBm	
Psat		19 (设计保证)		dBm	
Max input power		5		dBm	

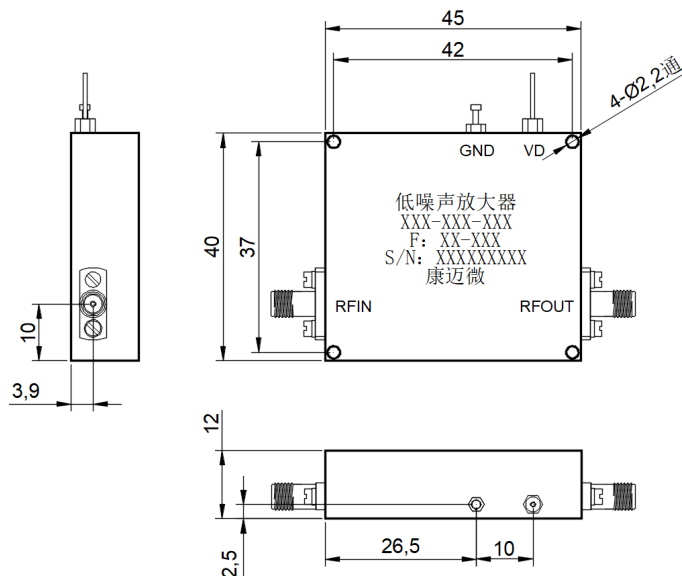
Other parameters

Connector	1.85-F or K
Connector material	Shell copper plated with gold
Impedance	50Ω
Working voltage	+5V
Working current	850mA
Operation Temp.	-30~+65°C Design assurance

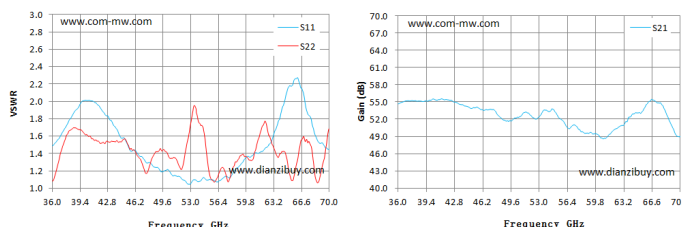
Reference picture



Configuration(mm)



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.

Typical test data

Frequency GHz	S11 VSWR	S22 VSWR	S21 Gain
36.00	1.49	1.08	54.66
38.43	1.83	1.68	55.16
40.86	2.01	1.57	55.40
43.29	1.77	1.54	54.68
45.71	1.42	1.46	53.93
48.14	1.28	1.32	52.54
50.57	1.17	1.34	52.36
53.00	1.05	1.75	52.44
55.43	1.10	1.12	52.17
57.86	1.12	1.14	50.20
60.29	1.36	1.32	48.96
62.71	1.51	1.59	50.76
65.14	2.18	1.16	53.07
67.57	1.83	1.53	54.85
70.00	1.45	1.68	48.96

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