

Product features

High gain, low noise

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	6	~	18	GHz
Gain	45			dB
Gain flatness		3		dB
Noise figure			1.9	dB
VSWR			1.6	
P-1dB	10			dBm
Max input power			10	dBm

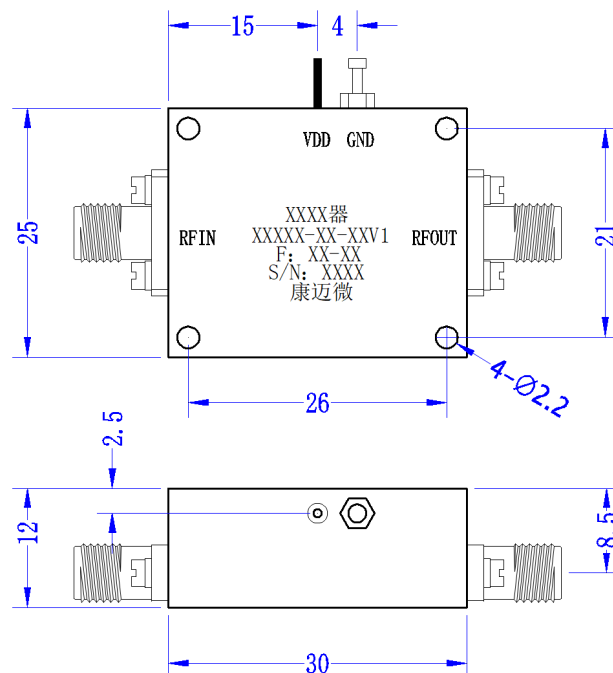
Other parameters

Connector	SMA-K detachable, Pin 0.38mm
Connector material	Stainless steel
Impedance	50Ω
Surface	Gold-plating
Working voltage	+12V
Working current	300mA
Operation Temp.	-40~+70°C Design assurance

Reference picture



Configuration(mm)

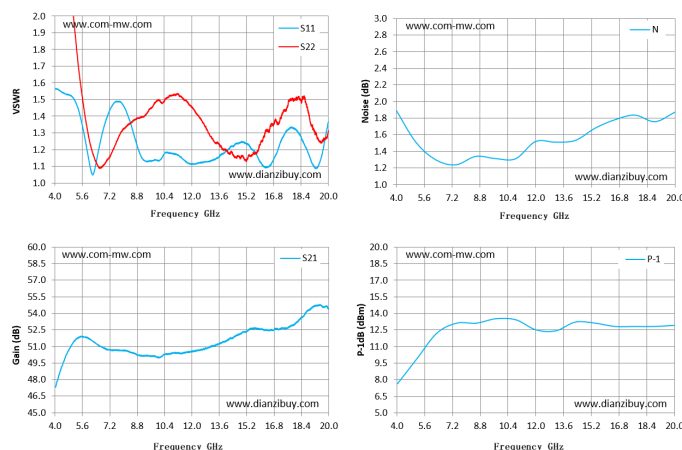


Note: The specifications and performance data contained in this data sheet are based on tests established by CMW.

Typical test data

Frequency GHz	S11 VSWR	S22 VSWR	S21 Gain	S21 Noise	P-1 dBm
4	1.56	3.98	47.27	1.89	7.6
5.14	1.5	1.95	51.5	1.51	9.9
6.29	1.06	1.16	51.36	1.3	12.2
7.43	1.47	1.2	50.66	1.24	13.1
8.57	1.31	1.37	50.37	1.34	13.1
9.71	1.13	1.45	50.11	1.31	13.5
10.86	1.18	1.53	50.37	1.31	13.4
12	1.11	1.45	50.51	1.52	12.5
13.14	1.13	1.28	50.99	1.51	12.4
14.29	1.22	1.18	51.74	1.53	13.2
15.43	1.22	1.16	52.59	1.68	13.1
16.57	1.1	1.32	52.44	1.78	12.8
17.71	1.32	1.5	52.74	1.83	12.8
18.86	1.17	1.4	54.28	1.75	12.8
20	1.37	1.31	54.38	1.87	12.9

Typical test curve



Note

Store in an environment with a humidity of less than 25% and pay attention to dust and static electricity prevention.

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