

Product features

Broadband, low noise.

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	30	~	8000	MHz
Gain	36			dB
Gain flatness			±2.5	dB
Noise figure		3	3.5	dB
VSWR			2.5	
P-1dB	12			dBm
IP3		27		dBm

Other parameters

Connector	SMA-K detachable, Pin 0.38mm
Connector material	Stainless steel
Impedance	50Ω
Surface	White
Working voltage	+12V
Working current	300mA
Reverse isolation	65dB
Operation Temp	-40~+70°C Design assurance
Other	If the amplifier is connected to the antenna, electrostatic protection or isolation measures should be taken.

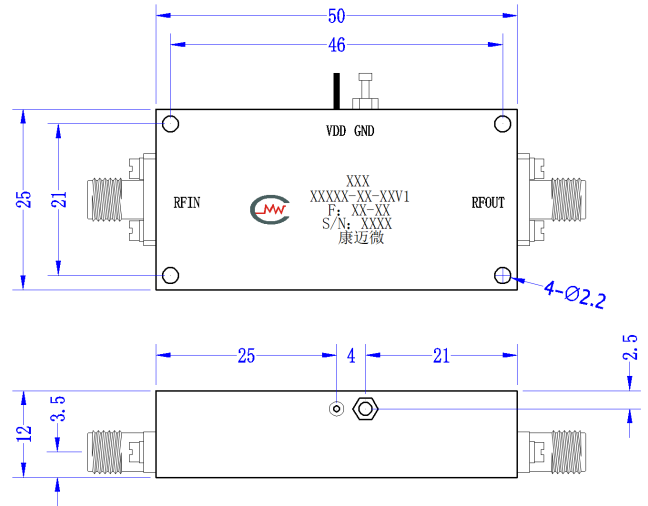
Typical test data

Frequency(GHz)	S11 VSWR	S22 VSWR	S21 Gain	S21 Noise	S21 P-1dB	S21 饱和功率dBm
0.01	26.52	2.45	15.16	2.69	17.31	18.76
0.03	2.05	1.21	40.87	2.17	18.13	19.19
0.72	1.47	1.21	40.44	1.41	18.09	19.8
1.44	1.08	1.2	40.58	1.43	17.79	19.3
2.15	1.39	1.14	40.59	1.47	16.94	19.1
2.86	1.71	1.26	40.62	1.79	16.94	19.1
3.58	1.58	1.27	40.61	1.56	17.32	18.9
4.29	1.33	1.23	40.71	1.7	17.1	18.4
5.01	1.36	1.29	40.54	1.82	16.76	18.9
5.72	1.26	1.3	41.04	1.86	16.53	18.6
6.43	1.15	1.2	40.78	1.89	16.92	19.1
7.15	1.39	1.53	39.93	2.08	16.58	18.8
7.86	1.78	1.77	39.9	2.32	16.61	18.7
8.57	1.98	1.57	39.88	2.35	16.66	18.3
9.29	2.64	1.24	38.5	3	16.05	17.7
10	2.7	1.36	33.8	3.21	14.93	16.2

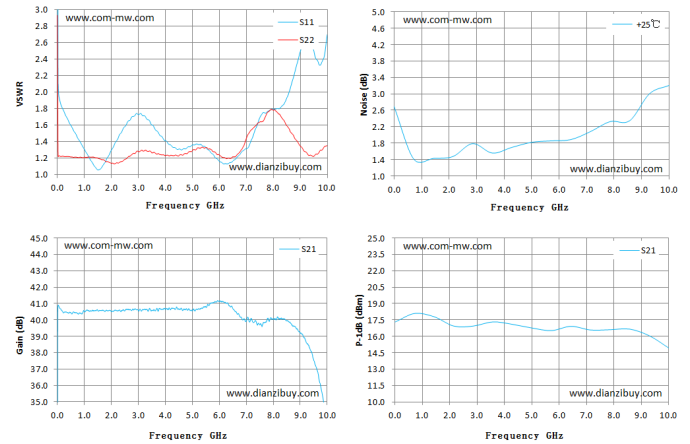
Reference picture



Configuration(mm)



Typical test curve



Note

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