

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	1	~	12	GHz
Gain	30			dB
Gain flatness			±1.2	dB
Noise figure			2.2	dB
VSWR		1.8	2	
P-1dB	15			dBm
OIP3	25			dBm

Other parameters

Connector	SMA-K detachable, Pin 0.38mm
Connector material	Stainless steel
Impedance	50Ω
Surface	Gold-plating
Working voltage	+12V
Working current	200mA
Reverse isolation	40dB
Operation Temp	-40~+70°C Design assurance

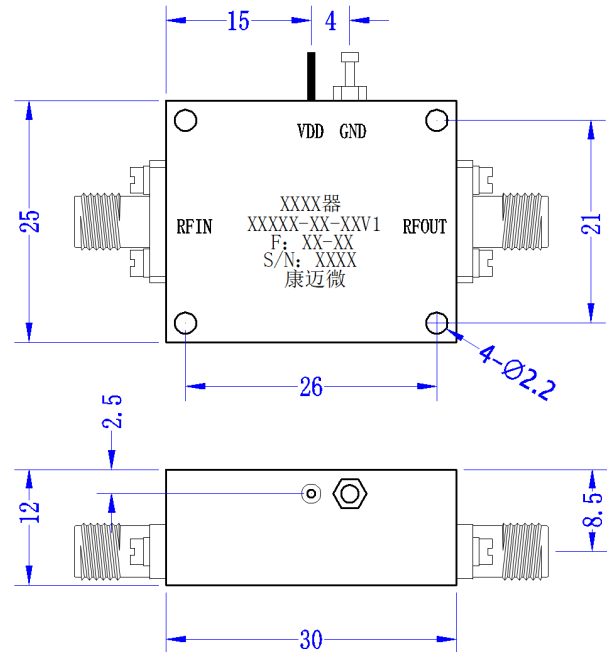
Typical test data

Frequency GHz	S11 VSWR	S22 VSWR	S21 Gain	Noise dB	P-1dB dBm	Psat dBm
1	1.2	1.22	31.6	2.11	17.37	18.67
1.93	1.05	1.36	32.42	1.87	18.08	19.1
2.86	1.26	1.26	32.46	1.76	18	19.4
3.79	1.36	1.15	32.12	1.74	18.3	19.6
4.71	1.07	1.1	32.36	1.76	17.7	18.8
5.64	1.43	1.3	32.43	1.83	18.2	19.4
6.57	1.57	1.55	32.11	1.82	18.1	19.3
7.5	1.06	1.43	32.28	1.79	18.3	19.3
8.43	1.56	1.62	32.27	1.8	18.6	19.6
9.36	1.66	1.59	32.14	1.68	18.9	19.9
10.29	1.24	1.24	32.44	1.95	18.64	19.7
11.21	1.14	1.48	31.95	1.92	18.3	19.7
12.14	1.29	1.25	31.2	2.15	17.88	19.4
13.07	1.55	1.18	30.28	3.74	17.07	18.66
14	1.84	1.64	23.08	5.57	14.21	16

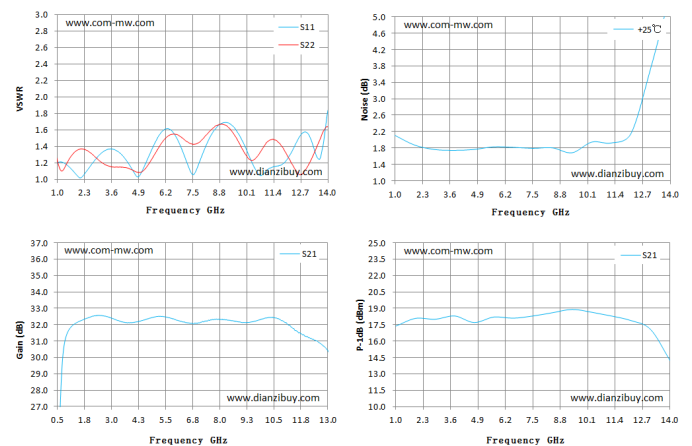
Reference picture



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.