

Product features

Broadband, low noise.

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	1	~	18	GHz
Gain	30			dB
Gain flatness		2	4	dB
Noise figure		2.2	3	dB
VSWR		1.8	2.2	
P-1dB	10	15		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
Reverse isolation	50dB
Work Temp.	-30~+60°C Design assurance
Quality Grade	Industrial grade

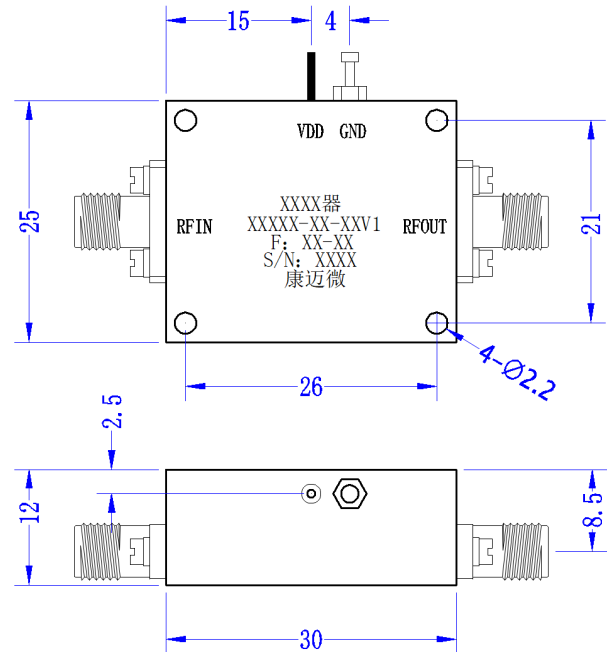
Typical test data

F(GHz)	P-1(dBm)	NF(dB)	S11 VSWR	S22 VSWR	Gain(dB)
0.8	15.1	1.66	1.38	1.07	31.8
2.54	16.1	1.66	1.36	1.21	31.7
4.28	16.9	1.63	1.5	1.22	31.5
6.02	15.6	1.68	1.69	1.25	30.9
7.76	16.5	1.68	1.75	1.26	31
9.5	17.2	1.9	1.56	1.48	31.2
11.24	16.6	1.97	1.63	1.81	31
12.98	16.2	2.08	1.42	1.49	31.6
14.72	16.4	2.19	1.17	1.7	31.5
16.46	16.2	2.24	1.63	1.65	31.3
18.2	15.3	2.34	1.67	1.16	31.7

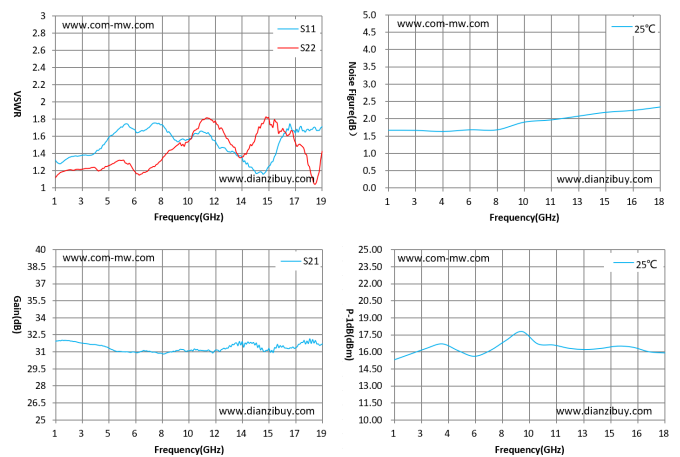
Reference picture



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.