

Product features

High gain, low noise

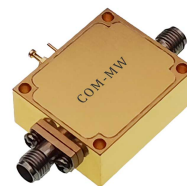
Main specifications

Parameters	Min	Typical	Max	Units
Frequency	8	~	11	GHz
Gain	40			dB
Gain flatness		± 0.5	± 1	dB
Noise figure		1.6	1.8	dB
VSWR		1.4	1.6	
P-1dB	15			dBm
OIP3		25		dBm
Max input power			10	dBm

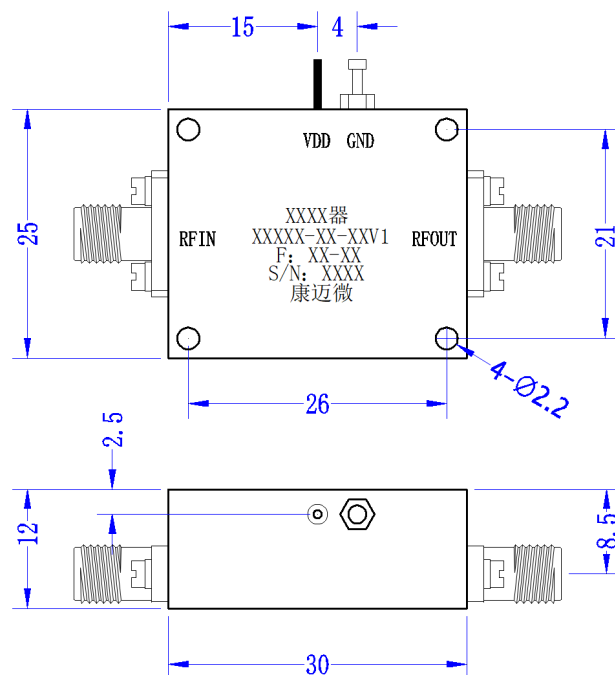
Other parameters

Connector	SMA-K detachable, Pin 0.38mm
Connector material	Stainless steel
Impedance	50 Ω
Surface	Gold-plating
Working voltage	+12V
Working current	300mA
Reverse isolation	75dB
Operation Temp.	-40~+70°C Design assurance

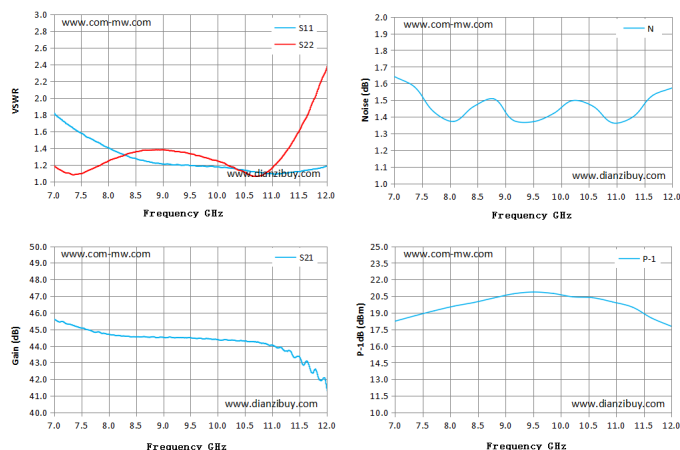
Reference picture



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.

Typical test data

Frequency GHz	S1 1	S2 2	Gain dB	NF dB	P- 1dB m	Psat dBm
7	1.82	1.19	45.6	1.64	18.24	19.8
7.36	1.64	1.08	45.22	1.58	18.73	20.26
7.71	1.5	1.16	44.86	1.43	19.18	20.53
8.07	1.38	1.27	44.67	1.37	19.6	20.92
8.43	1.29	1.35	44.56	1.46	19.93	21.42
8.79	1.23	1.38	44.54	1.51	20.34	21.78
9.14	1.21	1.37	44.52	1.38	20.71	22.09
9.5	1.19	1.33	44.49	1.37	20.87	22.35
9.86	1.18	1.27	44.43	1.42	20.74	22.24
10.21	1.17	1.19	44.34	1.5	20.44	21.77
10.57	1.13	1.09	44.25	1.46	20.36	21.71
10.93	1.1	1.12	44.05	1.36	19.98	21.93
11.29	1.11	1.39	43.68	1.4	19.51	21.7
11.64	1.14	1.77	43.09	1.53	18.52	21.11
12	1.18	2.34	41.53	1.57	17.77	20.58

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