

Product features

High gain, small volume.

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	35	~	50	GHz
Gain		50		dB
Gain flatness		±2	±3	dB
Noise figure		4	5	dB
VSWR		2	2.5	
P-1dB		12		dBm

Other parameters

Connector	2.4-K detachable, Pin 0.3mm
Connector material	Stainless steel
Impedance	50Ω
Surface	Conductive oxidation
Working voltage	+12V
Working current	500mA
Work Temp.	-40~+85°C Design assurance
Other	Supports coaxial interface power supply

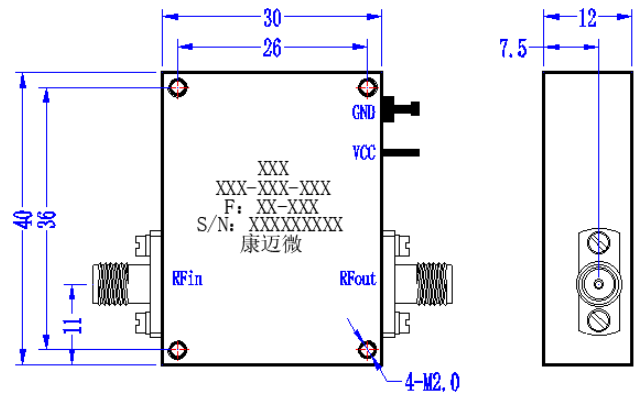
Typical test data

Frequency (G)	VSWR	Gain (dB)	Noise	P-1dB
33	2.85	46.93	4.44	13.1
34.21	2.49	50.22	4.72	12.8
35.43	1.96	52.43	4.21	11.7
36.64	1.68	53.14	4.04	12.2
37.86	1.32	53.82	4.06	12.5
39.07	1.24	54.4	3.6	13.2
40.29	1.54	53.75	3.28	14.1
41.5	1.86	53.67	3.38	14.2
42.71	1.77	53.21	3.2	14.5
43.93	1.97	52.89	3.21	13.6
45.14	1.8	53.02	3.44	13
46.36	1.55	52.53	2.99	13.4
47.57	1.35	52.91	2.9	13.6
48.79	1.15	52.93	3.28	16.2
50	1.26	51.99	3.87	16.7

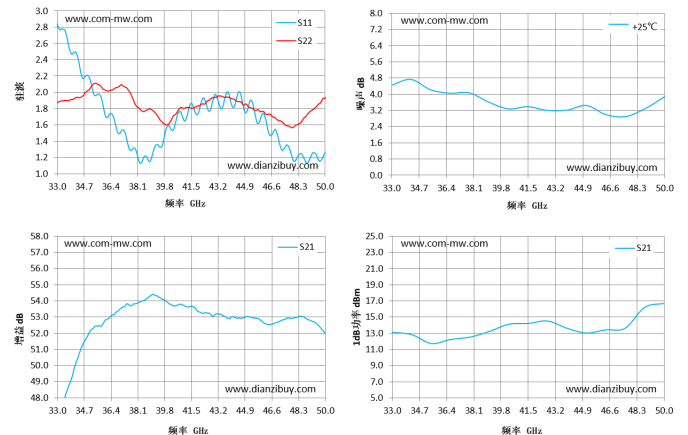
Reference picture



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.