

Product features

Broadband, small volume.

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	20000	~	50000	MHz
Gain	30			dB
Gain flatness		± 3		dB
VSWR			2.5	
Psat		23		dBm

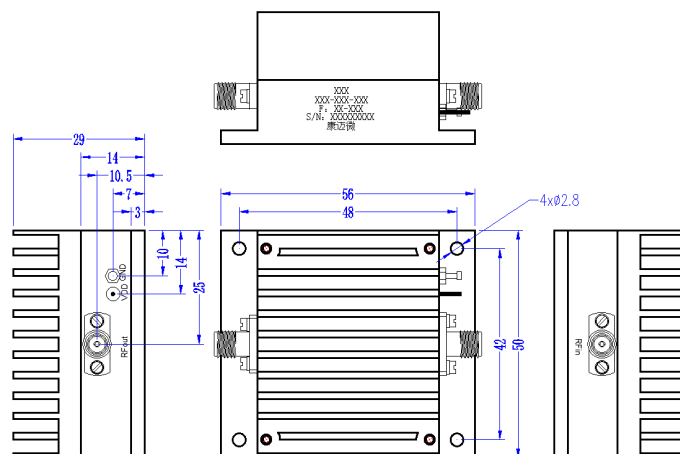
Other parameters

Connector	2.4-K
Connector material	Stainless steel
Impedance	50 Ω
Surface	Conductive oxidation
Working voltage	+12V
Working current	1A
Operation Temp.	-40~+70°C Design assurance
Quality Grade	Industrial grade

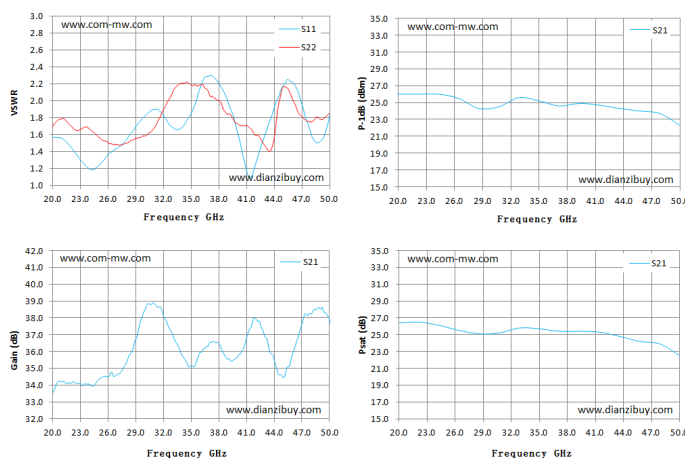
Reference picture



Configuration



Typical test curve



Note

Store in an environment with a humidity of less than 25%, pay attention to dust and anti-static measures, and consider amplifier heat dissipation during installation.

Typical test data

Frequency	S11	S22	GAIN	P-1	PSA T
GHz	VSW R	VSW R	dB	dB m	dBm
20	1.57	1.71	33.5 1	26	26.4
22.14	1.43	1.69	34.1 6	26	26.5
24.29	1.19	1.65	33.9 4	26	26.1
24.43	1.4	1.49	34.7 3	25.5	25.5
28.57	1.63	1.54	35.9 5	24.3	25.1
30.71	1.89	1.65	38.8 1	24.5	25.2
32.86	1.7	2.09	37.1 8	25.6	25.8
35	1.85	2.21	35.1 5	25.2	25.7
37.14	2.3	2.06	36.5 5	24.6	25.4
39.29	1.9	1.85	35.4 5	24.9	25.4
41.43	1.09	1.68	37.4	24.7	25.3
43.57	1.78	1.41	35.9 4	24.3	24.8
45.71	2.24	2.11	35.2 1	24	24.2
47.86	1.66	1.76	38.2 7	23.7	23.9
50	1.84	1.86	37.8 8	22.3	22.5

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