

Product features

Broadband, low noise.

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	40	~	50	GHz
Gain	38			dB
Gain flatness			± 2	dB
Noise figure			3	dB
VSWR			2	
P-1dB	13			dBm

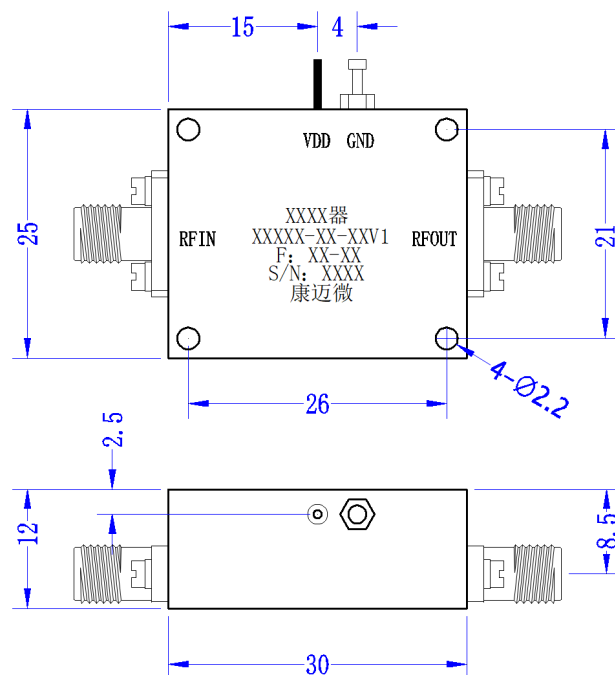
Other parameters

Connector	1.85-F detachable
Connector material	Stainless steel
Impedance	50 Ω
Surface	Gold-plating
Working voltage	+12~18V
Working current	150mA
Operation Temp.	-40~+70°C Design assurance

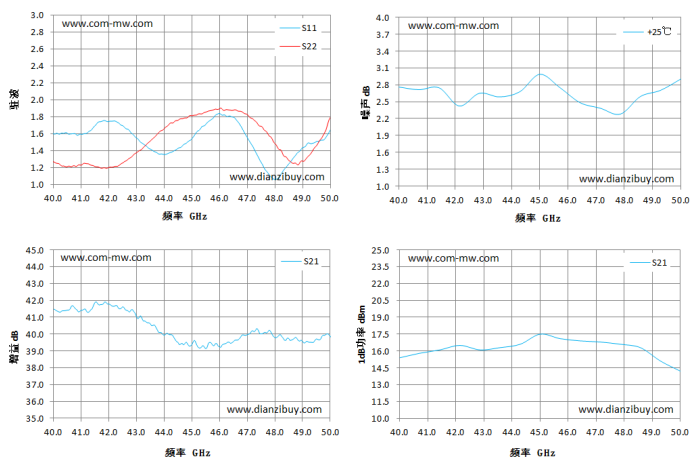
Reference picture



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)	S11 VSWR	S22 VSWR	Gain	Noise	P-1dB
40	1.6	1.27	41.49	2.76	15.4
40.71	1.6	1.23	41.68	2.71	15.8
41.43	1.66	1.23	41.52	2.75	16.1
42.14	1.75	1.21	41.69	2.42	16.5
42.86	1.6	1.34	41.46	2.65	16.1
43.57	1.41	1.54	40.5	2.59	16.3
44.29	1.39	1.73	39.96	2.68	16.6
45	1.55	1.82	39.37	2.99	17.5
45.71	1.77	1.88	39.47	2.75	17.1
46.43	1.81	1.88	39.46	2.48	16.9
47.14	1.5	1.79	40.03	2.38	16.8
47.86	1.1	1.56	40.15	2.28	16.6
48.57	1.27	1.28	39.63	2.59	16.3
49.29	1.49	1.35	39.51	2.7	15.1
50	1.65	1.8	39.87	2.9	14.2

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