

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	0.009	~	3000	MHz
Gain		30		dB
Gain flatness		3	5	dB
Noise figure			3	dB
VSWR			2	
P-1dB		15		dBm
Psat		17		dBm
IP3		26		dBm

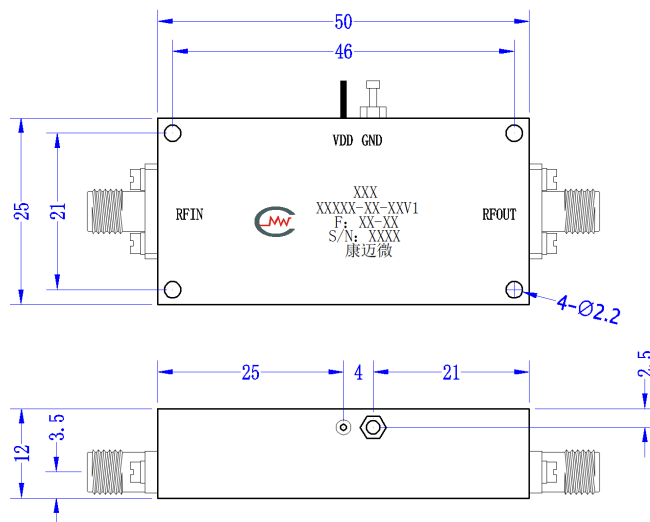
Other parameters

Connector	SMA-F Detachable, Pin 0.38mm
Connector material	Stainless steel
Impedance	50Ω
Surface	Conductive oxidation
Working voltage	+12V
Working current	300mA
Reverse isolation	43dB
Operation Temp.	-40~+70°C Design assurance

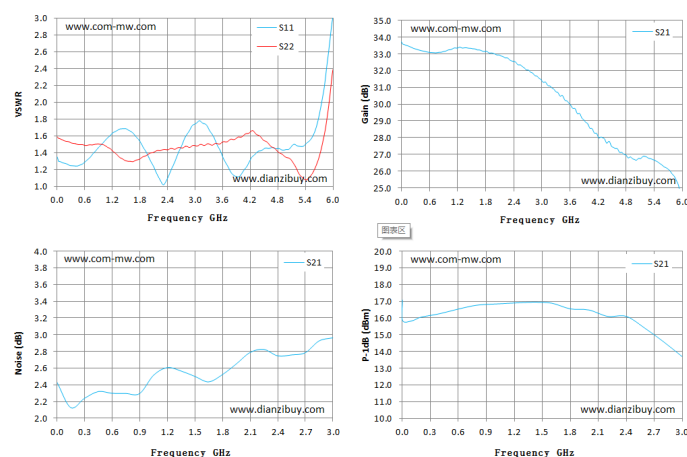
Reference picture



Configuration(mm)



Typical test curve



Note

, When designing, consider the issue of amplifier heat dissipation.

Typical test data

Frequency (GHz)	S11 VSWR	S22 VSWR	Noise dB	Gain dB	P-1dB
0.001	1.35	1.59	2.43	33.7	15.86
0.1	1.29	1.56	2.2	33.51	15.83
0.2	1.27	1.54	2.23	33.4	16.05
0.4	1.25	1.51	2.32	33.21	16.26
0.6	1.29	1.49	2.3	33.08	16.54
0.8	1.4	1.5	2.29	33.09	16.77
1	1.52	1.5	2.51	33.23	16.84
1.2	1.64	1.43	2.61	33.35	16.9
1.4	1.69	1.34	2.57	33.35	16.95
1.6	1.66	1.3	2.44	33.26	16.89
1.8	1.54	1.33	2.52	33.15	16.55
2	1.34	1.39	2.71	32.98	16.48
2.2	1.12	1.43	2.82	32.78	16.1
2.4	1.1	1.44	2.75	32.55	16.1
2.6	1.34	1.46	2.81	32.21	15.39
2.8	1.6	1.48	2.93	31.85	14.58
3	1.75	1.49	2.97	31.4	13.69

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