

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	9.8	~	18.2	GHz
Gain		38		dB
Gain flatness			± 0.75	dB
Noise figure			2.5	dB
VSWR			2.2	
P-1dB	25			dBm
Psat	26			dBm
Max input power			10	dBm
Spur reduction	55			dBc
Harmonic Rejection		13		dBc
OIP3		30		dBm
反相隔离		60		dBc

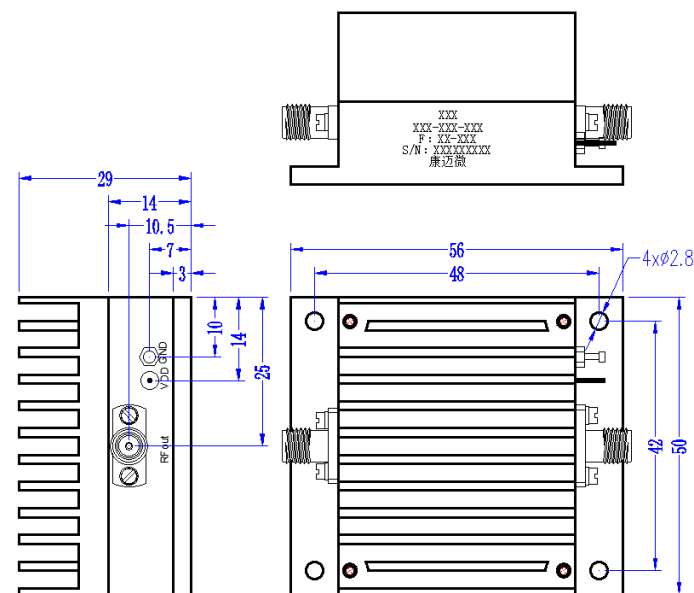
Other parameters

Connector	SMA-F
Connector material	Stainless steel
Impedance	50 Ω
Surface	Conductive oxidation
Working voltage	+12V
Working current	400mA
Operation Temp.	-30~+60°C Design assurance
Quality Grade	Industrial grade

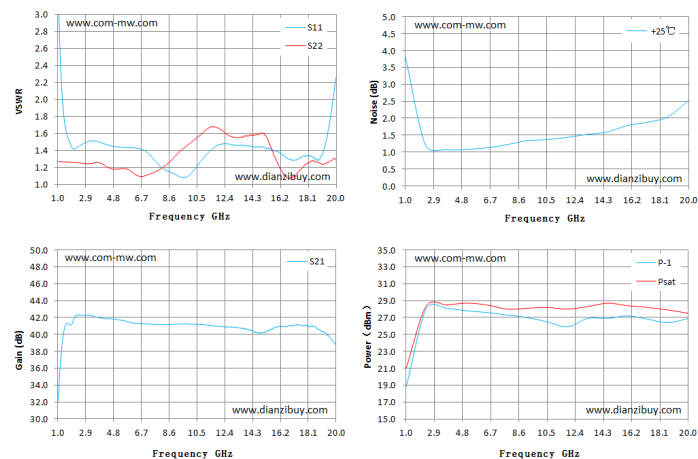
Reference picture



Configuration



Note



Typical test data

Frequency GHz	S11 SW R	S22 SW R	Ga in dB	N Fd B	P-1 OUT dBm	Psa t dB m
1	3.2 7	1.2 7	31. 78	3. 85	18.8	21
2.36	1.4 4	1.2 6	42. 29	1. 21	28.1	28.4
3.71	1.5 1	1.2 6	42. 04	1. 07	28.1	28.5
5.07	1.4 4	1.1 8	41. 75	1. 08	27.8	28.7
6.43	1.4 3	1.1 1	41. 33	1. 13	27.6	28.5
7.79	1.2 5	1.1 6	41. 16	1. 22	27.3	28
9.14	1.1 1	1.3 6	41. 23	1. 34	27	28.1
10.5	1.2 2	1.5 6	41. 2	1. 37	26.5	28.2
11.86	1.4 6	1.6 7	40. 99	1. 44	25.9	28
13.21	1.4 6	1.5 5	40. 82	1. 52	26.9	28.3
14.57	1.4 5	1.6	40. 21	1. 6	26.9	28.7
15.93	1.3 9	1.2 8	40. 85	1. 8	27.2	28.4
17.29	1.3	1.1 2	41. 15	1. 89	26.8	28.2
18.64	1.2 9	1.2 7	40. 8	2. 05	26.4	27.9
20	2.2 7	1.2 9	38. 73	2. 53	26.9	27.5

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