

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	1000	~	18000	MHz
Gain	40			dB
Gain flatness			±3	dB
Noise figure		2	2.5	dB
VSWR			2.5	
P-1dB	10			dBm

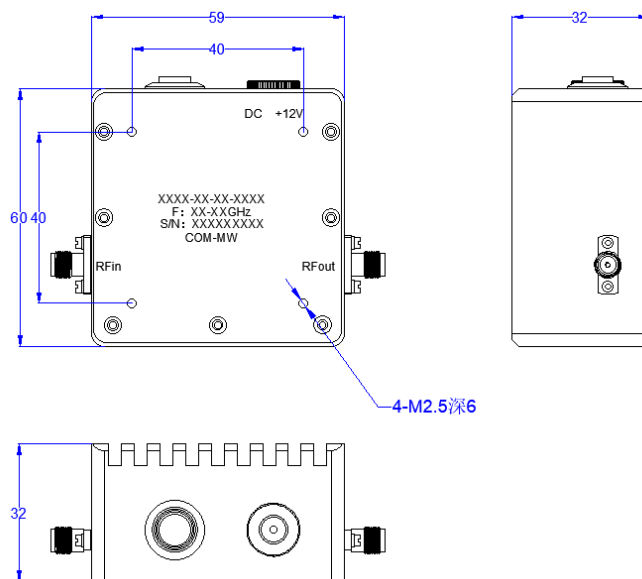
Other parameters

Connector	SMA-F
Connector material	Stainless steel
Impedance	50Ω
Working voltage	+12~15V
Working current	300mA
Operation Temp.	-40~+70°C Design assurance
Other	接口DC5.5mm(外径)*2.1mm(内孔径)
AC Adapter	线性电源500K-DC12V1A

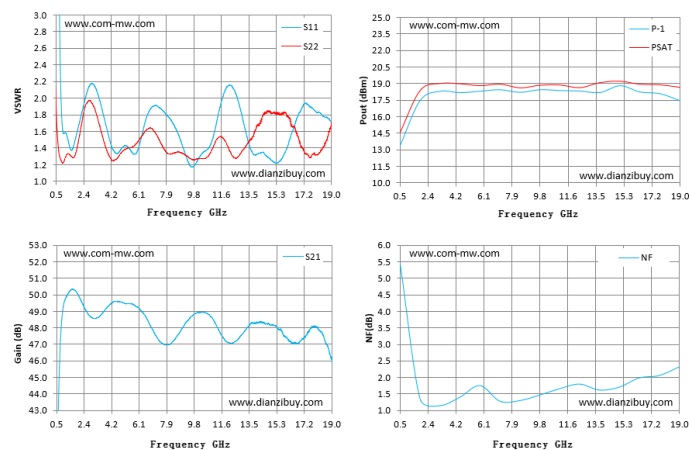
Reference picture



Configuration(mm)



Typical test curve



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

Typical test data

Frequency	S11	S22	GAIN	P-1	POUT	NF
GHz	VS WR	VS WR	dB	dB m	dB m	dB
0.50	5.15	1.82	34. 71	13. 38	14.5 8	5.4 4
1.82	1.53	1.34	50. 20	17. 45	18.3 5	1.3 5
3.14	2.12	1.84	48. 58	18. 28	18.9 8	1.1 5
4.46	1.34	1.26	49. 61	18. 15	18.9 5	1.4 1
5.79	1.33	1.44	49. 33	18. 28	18.7 8	1.7 6
7.11	1.91	1.60	47. 63	18. 42	18.9 2	1.2 8
8.43	1.67	1.34	47. 29	18. 18	18.5 8	1.3 0
9.75	1.18	1.26	48. 84	18. 42	18.8 2	1.4 7
11.07	1.55	1.42	48. 45	18. 34	18.8 4	1.6 6
12.39	2.12	1.30	47. 09	18. 30	18.6 0	1.8 1
13.71	1.34	1.54	48. 32	18. 16	19.0 6	1.6 2
15.04	1.24	1.82	48. 15	18. 78	19.1 8	1.7 1
16.36	1.59	1.66	47. 08	18. 21	18.9 1	1.9 9
17.68	1.88	1.31	48. 04	18. 06	18.8 6	2.0 6
19.00	1.72	1.68	46. 07	17. 43	18.6 3	2.3 3

Note

Please pay attention to the power consumption of the product and consider the issue of amplifier heat dissipation during design;

If the amplifier is directly connected to the antenna, electrostatic protection or limiter protection should be applied.

Working or storage temperature less than 125 °C;

Clean the surface of the product, do not soak the product in cleaning solution for cleaning.