

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	18000	~	40000	MHz
Gain	50			dB
Gain flatness			± 3	dB
Noise figure			3.5	dB
VSWR			2.5	
P-1dB	10			dBm

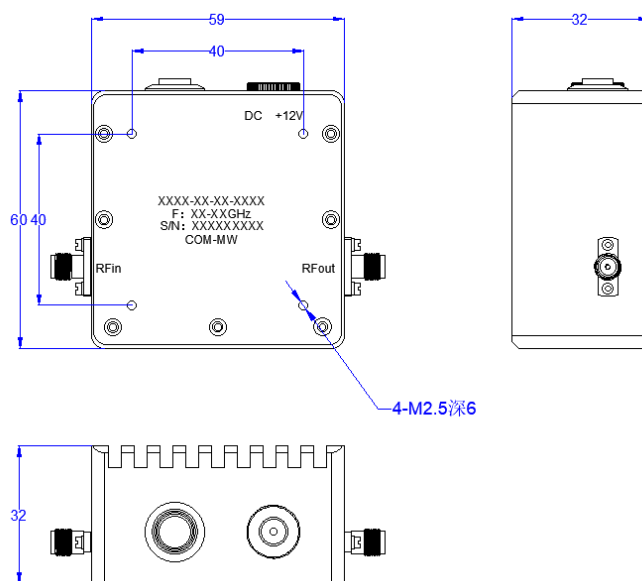
Other parameters

Connector	2.92-F
Connector material	Stainless steel
Impedance	50 Ω
Working voltage	+12~15V
Working current	300mA
Operation Temp.	-40~+70°C Design assurance
Other	Powered by a 220V power adapter with an interface of DC 5.5mm (outer diameter) * 2.1mm (inner aperture)

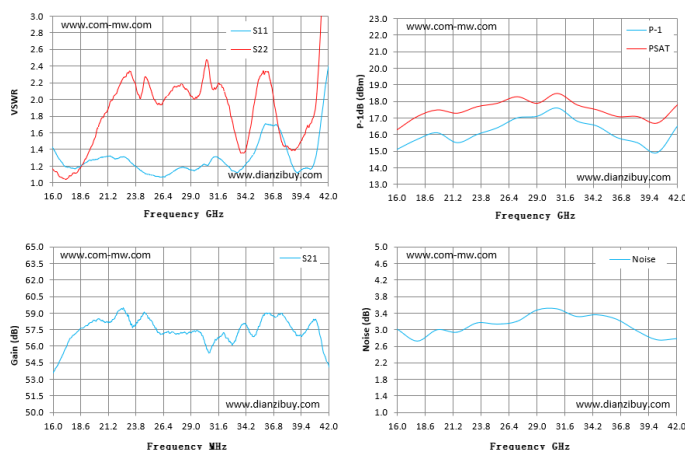
Reference picture



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	PSAT	NF
GHz	VS WR	VS WR	dB	dB m	dB m	dB
16	1.42	1.16	53. 50	15. 1	16. 3	3.0 1
17.86	1.18	1.11	56. 94	15. 7	17. 1	2.7 3
19.71	1.28	1.45	58. 17	16. 1	17. 5	2.9 9
21.57	1.31	1.98	58. 23	15. 5	17. 3	2.9 3
23.43	1.24	2.29	58. 02	16	17. 7	3.1 6
25.29	1.1	2.1	58. 29	16. 4	17. 9	3.1 3
27.14	1.12	2.1	57. 18	17	18. 3	3.1 9
29	1.16	2.04	57. 17	17. 1	17. 9	3.4 7
30.86	1.26	2.22	55. 64	17. 6	18. 5	3.5
32.71	1.18	1.86	56. 42	16. 8	17. 8	3.3 1
34.57	1.28	1.61	57. 23	16. 5	17. 5	3.3 6
36.43	1.7	2.27	58. 97	15. 8	17. 1	3.2 5
38.29	1.32	1.41	58. 02	15. 5	17. 1	2.9 7
40.14	1.17	1.66	57. 78	14. 9	16. 7	2.7 5
42	2.38	4.33	54. 37	16. 5	17. 8	2.7 8

Note

Store in an environment with humidity less than 25%, pay attention to dust and static electricity prevention;

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.