

Product features

Broadband, low noise.

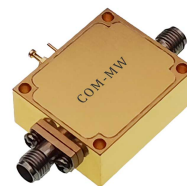
Main specifications

Parameters	Min	Typical	Max	Units
Frequency	1	~	30	GHz
Gain		13		dB
Gain flatness		± 2.5	± 3	dB
Noise figure		8		dB
VSWR			2	
P-1dB		17		dBm
Spur reduction		65		dBc
Harmonic Rejection		25		dBc
OIP3		25		dBm
Reverse isolation		25		dBc

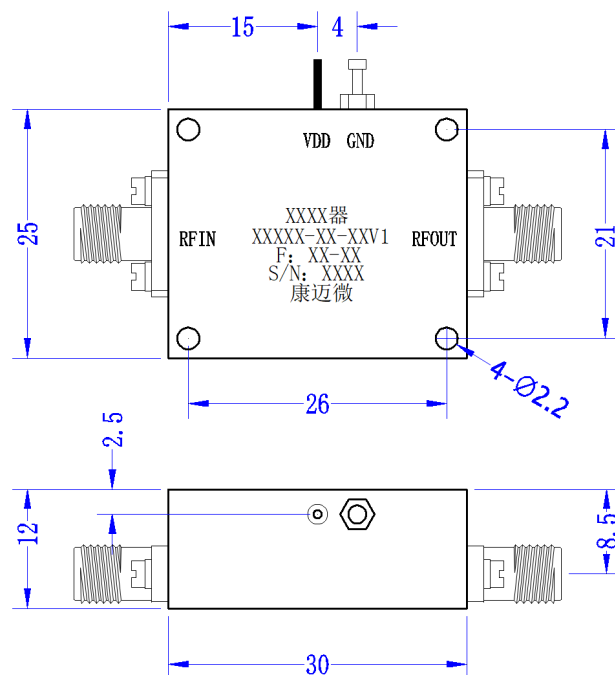
Other parameters

Connector	2.92-F detachable, Pin 0.38mm
Connector material	Stainless steel
Impedance	50 Ω
Surface	Gold-plating
Working voltage	+12V
Working current	300mA
Operation Temp.	-30~+70°C Design assurance

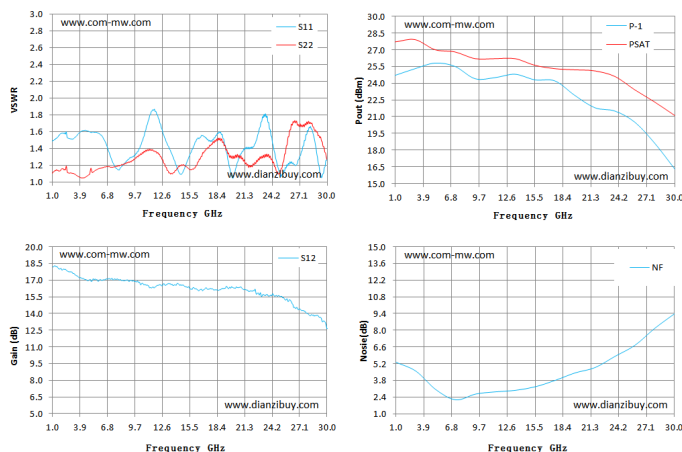
Reference picture



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	S11	S22	GAIN	P-1	PSAT	Noise
GHz	VS WR	VS WR	dB	dB m	dB m	dB m
1	1.4 9	1.1 1	18. 19	24. 7	27. 7	5.31
3.07	1.5 1	1.1 1	17. 73	25. 3	27. 9	4.57
5.14	1.5 9	1.1 4	16. 87	25. 8	27	3.02
7.21	1.2 8	1.1 8	17. 08	25. 5	26. 8	2.17
9.29	1.3	1.2 4	16. 98	24. 4	26. 2	2.65
11.36	1.8 2	1.3 9	16. 34	24. 5	26. 2	2.84
13.43	1.3 8	1.1 1	16. 7	24. 8	26. 2	2.96
15.5	1.3 2	1.1 5	16. 26	24. 3	25. 6	3.26
17.57	1.5	1.4 3	16. 18	24. 2	25. 6	3.26
19.64	1.2 1	1.3 3	16. 24	22. 9	25. 2	4.43
21.71	1.4 2	1.1 8	16. 04	21. 8	25. 1	4.87
23.79	1.7 2	1.3 3	15. 58	21. 5	24. 6	5.81
25.86	1.2	1.5 3	15. 14	20. 5	23. 4	6.73
27.93	1.6 2	1.7	14. 03	18. 6	22. 3	8.16
30	1.2 9	1.2 7	12. 64	16. 3	21. 1	9.39

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