

Product features

Broadband, low noise.

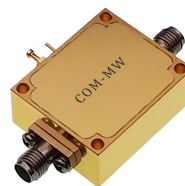
Main specifications

Parameters	Min	Typical	Max	Units
Frequency	50	~	60	GHz
Gain	55			dB
Gain flatness			±2.5	dB
Noise figure		5		dB
VSWR			2.5	
P-1dB	10			dBm

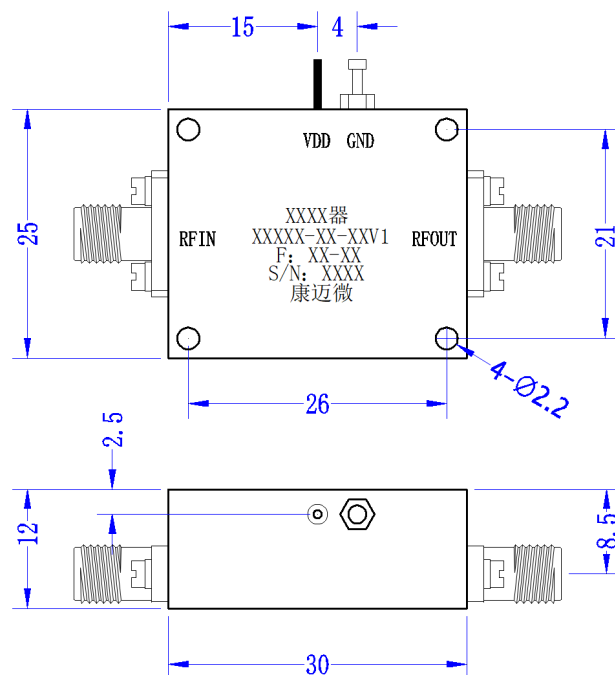
Other parameters

Connector	1.85-K
Connector material	Stainless steel
Impedance	50Ω
Surface	Gold-plating
Working voltage	+12~18V
Working current	150mA
Operation Temp.	-30~+70°C Design assurance

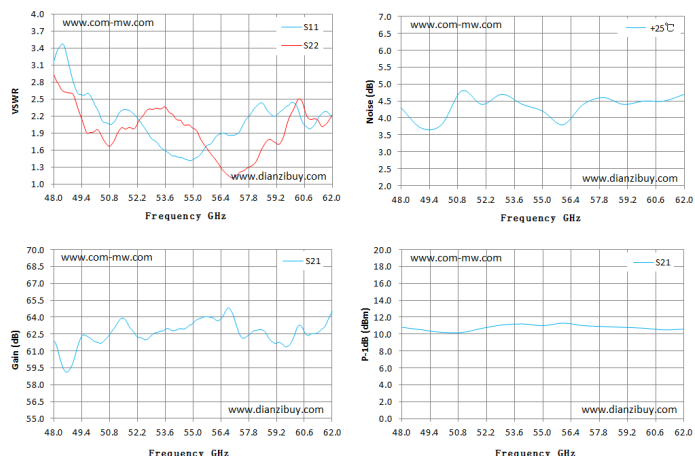
Reference picture



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 (GHz)	S11 VSW R	S22 VSW R	S12 Gain	Nois e dB	P- 1dB
48	3.17	2.93	61.8 7	4.3	10. 8
49	2.76	2.55	60.1 9	3.7	10. 5
50	2.45	1.93	61.9 1	3.8	10. 2
51	2.09	1.75	62.8 9	4.8	10. 2
52	2.24	1.98	62.7 1	4.4	10. 7
53	1.78	2.33	62.5 1	4.7	11. 1
54	1.5	2.23	62.8 1	4.4	11. 2
55	1.44	1.99	63.4 6	4.2	11
56	1.76	1.5	63.9 5	3.8	11. 3
57	1.87	1.12	64.3 6	4.4	11
58	2.3	1.34	62.7 1	4.6	10. 9
59	2.22	1.77	61.8 2	4.4	10. 8
60	2.45	2.28	61.8 6	4.5	10. 7
61	2.01	2.15	62.5 2	4.5	10. 5
62	2.2	2.22	64.4 3	4.7	10. 6

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