

Main specifications

Parameters	Min	Typical	Max	Units
LNB RF Frequency	10.7	~	11.8	GHz
LO Frequency		9.75		GHz
IF Frequency	950	~	2050	MHz
Gain	55	60		dB
Noise figure			1.4	dB
Local oscillator stability	± 10		± 25	kHz
Phase noise		-70dBc@1kHz		
Phase noise		-80dBc@10kHz		
Phase noise		-95dBc@100kHz		
P-1dBm (OUT)	5			dBm

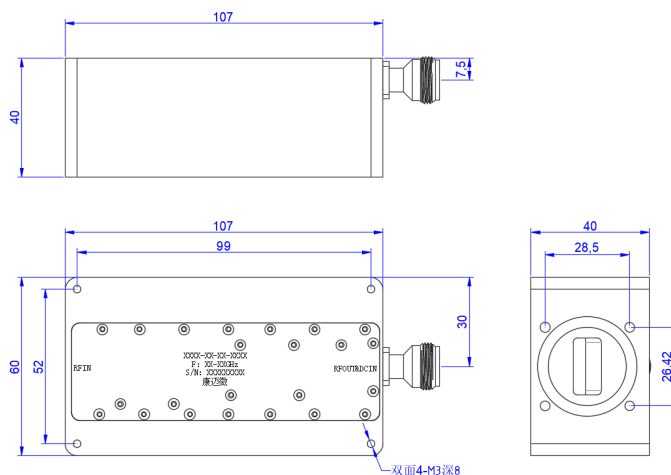
Other parameters

Impedance	50 Ω
Input connector	Waveguide WR-75
Output Connector	N
Connector material	Stainless steel
Product shell material	Aluminium
Working voltage	+12V~+24VDC
Working current	≤ 500 mA
Operation Temp.	-40~+60°C Design assurance
Storage Temp.	-40~+80°C Design assurance
Weight	≤ 450 g
other	Output port power supply

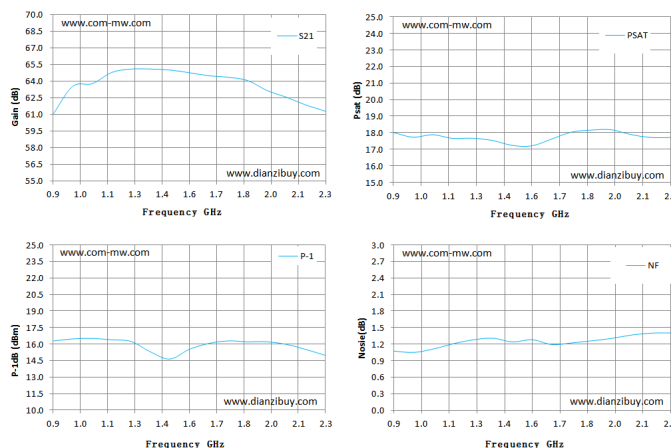
Reference picture



Configuration(mm)



Typical test curve



Note

- Clean the surface of the product, do not soak the product in cleaning solution for cleaning.
- If the temperature is higher than 125°C, consult with us before ordering.

Typical test data

IF OUT	GAIN	P-1	PSAT	NOSIE
MHz	dB	dBm	dBm	dB
850	61.08	16.28	18.02	1.07
950	63.56	16.47	17.73	1.05
1050	63.79	16.52	17.88	1.11
1150	64.8	16.39	17.66	1.21
1250	65.11	16.24	17.67	1.28
1350	65.11	15.3	17.54	1.31
1450	65.02	14.64	17.24	1.24
1550	64.78	15.52	17.21	1.28
1650	64.51	16.06	17.62	1.19
1750	64.37	16.29	18.04	1.22
1850	64.07	16.2	18.16	1.26
1950	63.17	16.21	18.18	1.3
2050	62.56	15.97	17.89	1.36
2150	61.86	15.5	17.71	1.4
2250	61.31	14.97	17.71	1.4

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