

Product features

Broadband, low noise, with rechargeable batteries.

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	30	~	4000	MHz
Gain	35			dB
Gain flatness			±3	dB
Noise figure			3	dB
VSWR			2.5	
P-1dB	10			dBm

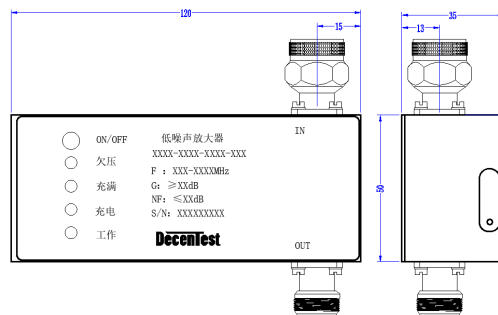
Other parameters

Connector	N -JK (Input N-J)
Connector material	Stainless steel
Impedance	50Ω
Surface	Grey
Working voltage	+5V, USB Type-C port charging.
Working current	500mA
Operation Temp.	-10~+50°C Design assurance
Quality Grade	Industrial grade
Other	1. Equipped with power on/off indication, charging indication (including full charge), undervoltage indication, and (normal) working indication; 2. Lithium battery power supply (3 hours); 3. Configure charger (adapter); / 5. Charging environment temperature: 0~+50 °C; 6. Charging interface: USB Type-C, with dustproof silicone pad

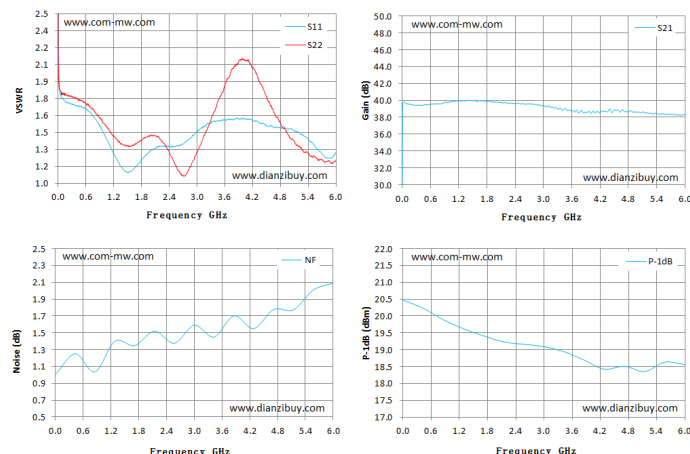
Reference picture



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.

If the amplifier is connected to the antenna, electrostatic protection or isolation measures should be taken.

Typical test data

Frequency	S11 VSWR	S22 VSWR	NF	Gain	P-1dB Out
GHz	/	/	dB	dB	dBm
0.03	1.88	1.85	1	39.75	20.47
0.46	1.68	1.74	1.25	39.43	20.23
0.88	1.52	1.59	1.04	39.72	19.89
1.31	1.19	1.37	1.41	39.99	19.62
1.74	1.17	1.36	1.35	39.96	19.41
2.16	1.32	1.42	1.52	39.7	19.23
2.59	1.33	1.13	1.37	39.6	19.16
3.02	1.46	1.28	1.59	39.42	19.09
3.44	1.55	1.71	1.45	38.9	18.94
3.87	1.57	2.05	1.71	38.5	18.69
4.29	1.55	1.96	1.55	38.69	18.42
4.72	1.49	1.58	1.77	38.64	18.51
5.15	1.46	1.34	1.77	38.49	18.35
5.57	1.32	1.23	2.01	38.32	18.63
6	1.27	1.2	2.09	38.35	18.56

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