

Product features

Broadband, small volume.

tech specifications

Parameters	Min	Typical	Max	Units
Frequency	1	~	18	GHz
Gain	20	25		dB
Gain flatness			3	dB
VSWR			2.5	
P-1dB	25			dBm

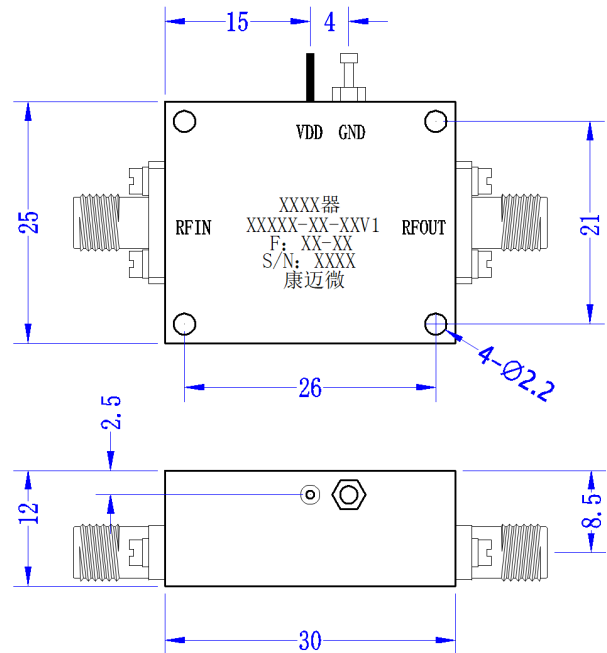
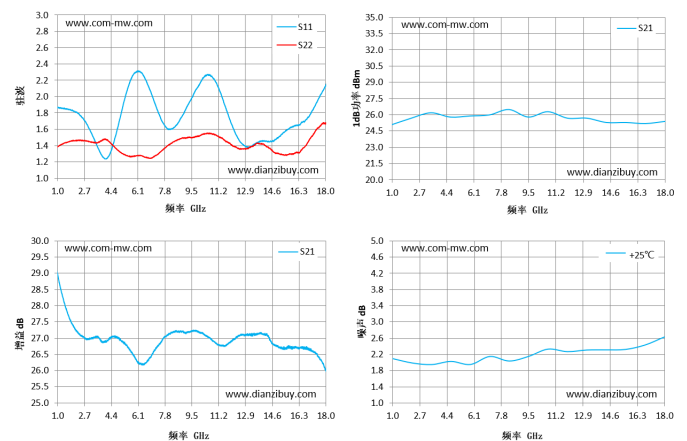
Environmental

Connector	SMA-K detachable, Pin 0.38mm
Connector material	Stainless steel
Impedance	50Ω
Surface	Gold-plating
Working voltage	+12V
Working current	400mA
Work Temp.	-30~+60°C Design assurance

Typical test data

Frequency(GHz)	S11 VSWR	S22 VSWR	S21 gain	S21 P-1dB	+25 °C noise
1	1.87	1.39	28.97	25.1	2.09
2.21	1.81	1.46	27.22	25.7	1.99
3.43	1.43	1.44	27.04	26.2	1.95
4.64	1.49	1.38	27.04	25.8	2.03
5.86	2.28	1.27	26.43	25.9	1.95
7.07	1.98	1.26	26.57	26	2.15
8.29	1.61	1.44	27.16	26.5	2.04
9.5	1.98	1.5	27.21	25.8	2.15
10.71	2.26	1.55	26.97	26.3	2.33
11.93	1.72	1.43	26.85	25.7	2.27
13.14	1.38	1.37	27.09	25.7	2.31
14.36	1.45	1.38	27.04	25.3	2.31
15.57	1.59	1.29	26.72	25.3	2.32
16.79	1.72	1.41	26.69	25.2	2.43
18	2.13	1.67	26.01	25.4	2.63

Reference picture

Configuration

Typical test curve

Note

Store in an environment with a humidity of less than 25%, pay attention to dust and anti-static measures, and consider amplifier heat dissipation during installation.