

Product features

Broadband, low noise

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	1000	~	18000	MHz
Gain	50			dB
Gain flatness			5	dB
Noise figure		2.6	3	dB
VSWR			2.2	
P-1dB		15		dBm

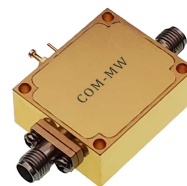
Other parameters

Connector	SMA-K detachable, Pin 0.38mm
Connector material	Stainless steel
Impedance	50Ω
Surface	Gold-plating
Working voltage	+12V
Working current	300mA
Operation Temp.	-40~+70°C Design assurance

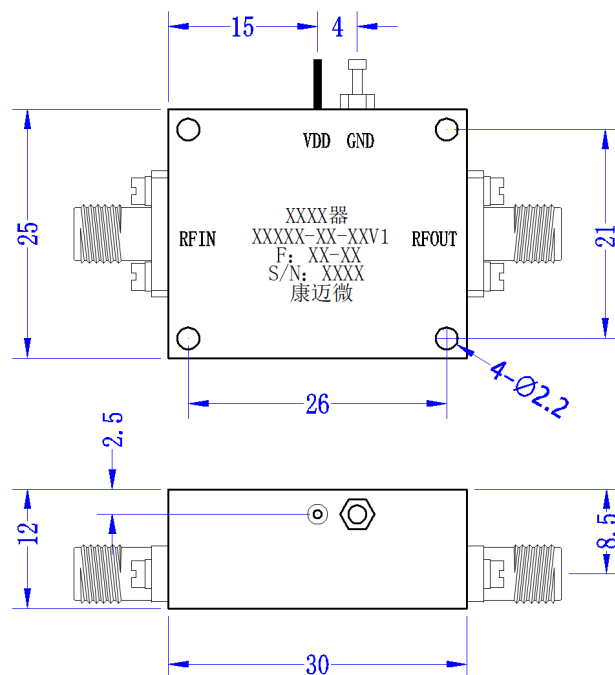
Typical test data

F(GHz)	P-1(dBm)	NF(dB)	S11V SWR	S22V SWR	Gain(dB)
1	15.2	1.82	1.64	1.09	54.7
2	15.7	1.74	1.14	1.22	55.2
4	16.5	2.01	1.47	1.23	55.1
6	16.1	2.14	1.98	1.26	53.6
8	16.9	2.16	1.52	1.18	53.5
10	15.9	2.18	1.39	1.63	53.2
12	15.5	2.46	1.41	1.52	53.1
14	15.8	2.51	1.18	1.27	52.9
16	15.6	2.68	1.52	1.69	52.3
18	15.2	2.75	1.95	1.12	52.7
20	13.1	2.99	1.69	1.71	51

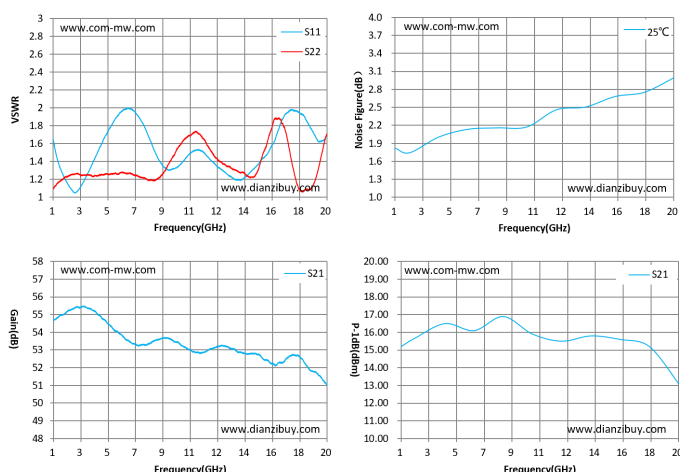
Reference picture



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.