

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	18	~	46	GHz
IL		18	21	dB
VSWR		1.8	2.2	
Parasitic AM		±2		dB

Other parameters

Phase shift bits	6 bits
Impedance	50Ω
Connector	2.92-K detachable, Pin 0.38mm
Connector material	Stainless steel
Power	20dBm Design assurance
Work Temp.	-40~+70°C Design assurance
Other	Voltage: -5V; Current: 20mA

Truth table

	P1	P2	P3	P4	P5	P6
参考态	0	0	0	0	0	0
-5.625°	1	0	0	0	0	0
-11.25°	0	1	0	0	0	0
-22.5°	0	0	1	0	0	0
-45°	0	0	0	1	0	0
-90°	0	0	0	0	1	0
-180°	0	0	0	0	0	1
-354.375°	1	1	1	1	1	1

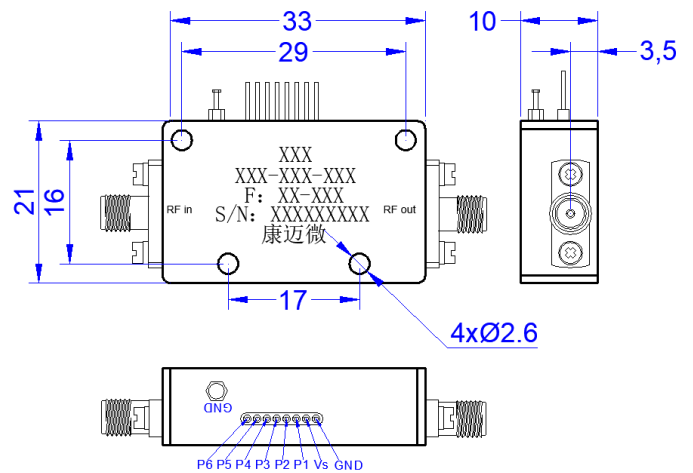
Typical test data

Frequency(GHz)	14	19.14	24.29	29.43	34.57	39.71	44.86	50
S11	1.64	1.48	1.66	1.37	1.53	1.2	1.32	2.18
S22	3.3	1.11	1.38	1.49	1.21	1.28	1.35	2.85
S21	-17.3	-13.7	-14.4	-16	-17.8	-18.5	-19.4	-23.1
0°	0.13	0.17	-0.02	0.02	0.03	0.38	-0.26	-0.26
-5.625°	-1.44	-5.7	-5.51	-5.34	-5.69	-5.42	-5.5	-5.73
-11.25°	-12.7	-13.3	-11.5	-11.3	-10.5	-12.7	-14.7	-10.8
-22.5°	-26.6	-23.5	-23.6	-25.7	-22.9	-29.3	-32.7	-29.4
-45°	-59.2	-51.5	-51.4	-50.9	-53.1	-54.7	-60	-75
-90°	-121	-101	-99	-100	-104	-107	-109	-130
-180°	-184	-179	-179	-177	-183	-186	-181	-189
-354.375°	-409	-374	-369	-368	-375	-391	-400	-429

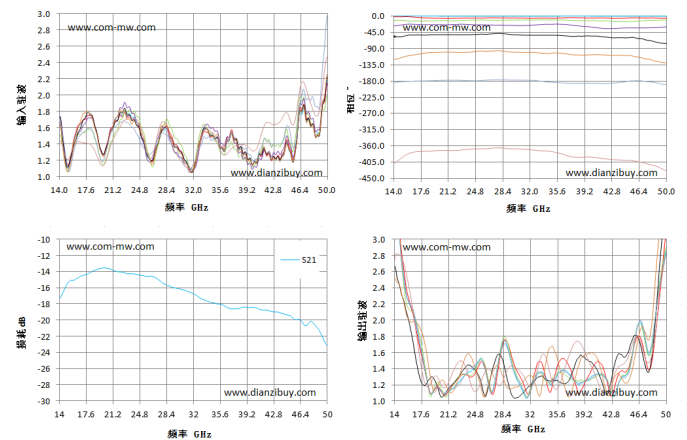
Reference picture



Configuration(mm)



Typical test curve



Control voltage

Low (0)	0V	/
High (1)	+5V	/