

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	6	~	18	GHz
IL		13	16	dB
VSWR		1.6	2	
移相精度RMS		4	6	°
寄生调幅		±1	±1.5	dB

Other parameters

Phase shift bits	6 bits
Impedance	50Ω
Connector	SMA-K detachable, Pin 0.38mm
Connector material	Stainless steel
Power	20dBm Design assurance
Work Temp.	-40~+70°C Design assurance
Storage Temp.	-55~+100°C Design assurance
Voltage	-5V
Current	20mA

Truth table

Phase shifting	P1	P2	P3	P4	P5	P6
0	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

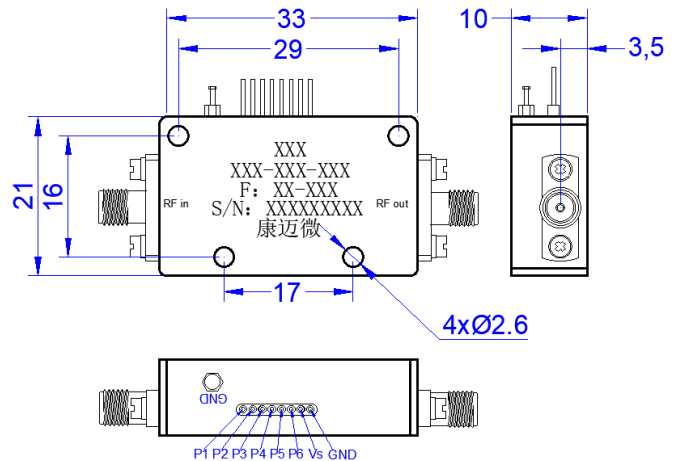
Typical test data

Frequency(GHz)	5	7	9	11	13	15	17	19
S11	2	1.1	1.3	1.2	1.2	1.1	1.4	1.4
S22	3.1	1.2	1.3	1.5	1.2	1.3	1.2	1.4
S21	-11.4	-9.2	-10.3	-11.2	-11.9	-12.8	-13.9	-15.5
移相精度RMS	3	0.9	0.8	0.5	1.4	1.3	1.8	5.8
0°	0	0	0	0	0	0	0	0.1
-5.625°	-8.3	-6	-5.4	-5.3	-5.2	-4.4	-4.7	-4.4
-11.25°	-13.9	-10.7	-10.8	-10.7	-10.2	-10.5	-11	-9.3
-22.5°	-22.8	-22.6	-21.6	-22.1	-22.5	-22	-21.4	-20.2
-45°	-42.5	-44.7	-45.1	-45.2	-45.4	-45.9	-45.3	-47.3
-90°	-83.3	-92.2	-91.3	-89.8	-87.6	-87.6	-90.2	-98.5
-180°	-182	-180	-181	-181	-182	-182	-182	-179
-354.375°	-355	-355	-354	-354	-354	-351	-354	-359

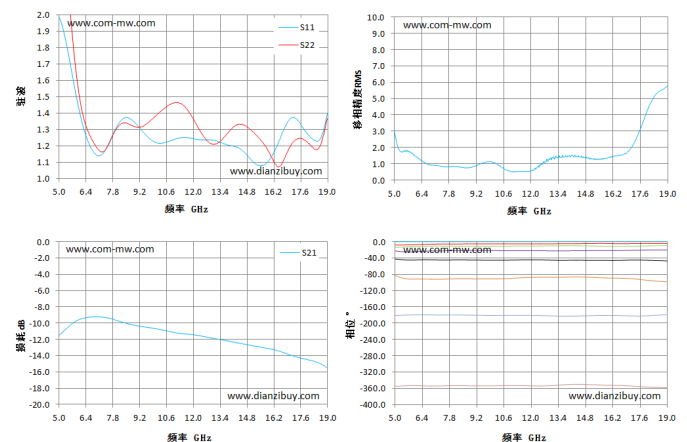
Reference picture



Configuration(mm)



Typical test curve



Control voltage

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

Note

1	Please do not wash the product in the cleaning solution.,Please do not wash the product in the cleaning solution.
2	If the temperature is higher than 125°C, consult with us before ordering.