

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	18	~	46	GHz
IL		18	21	dB
VSWR		1.8	2.2	
Parasitic AM		±2		dB
Response time		50		ns

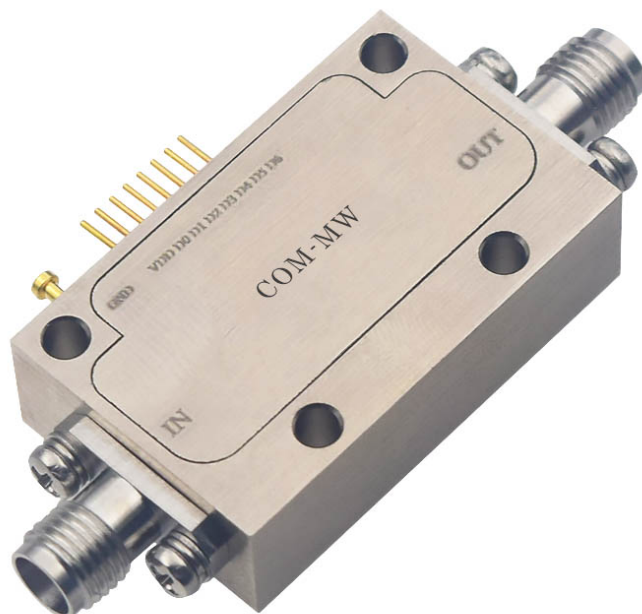
Other parameters

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

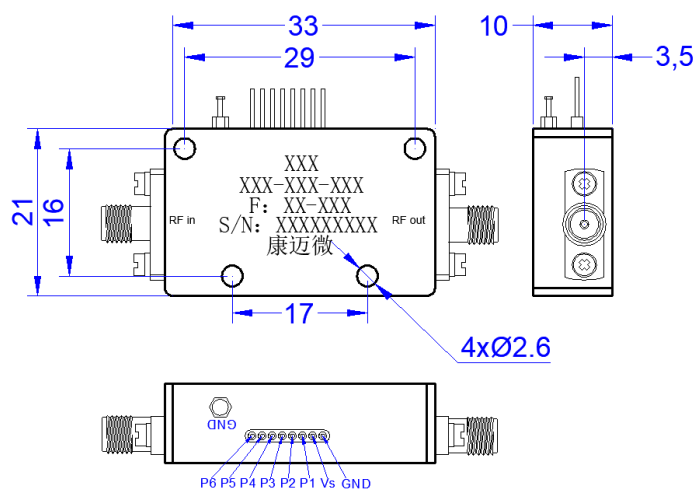
Truth table

	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

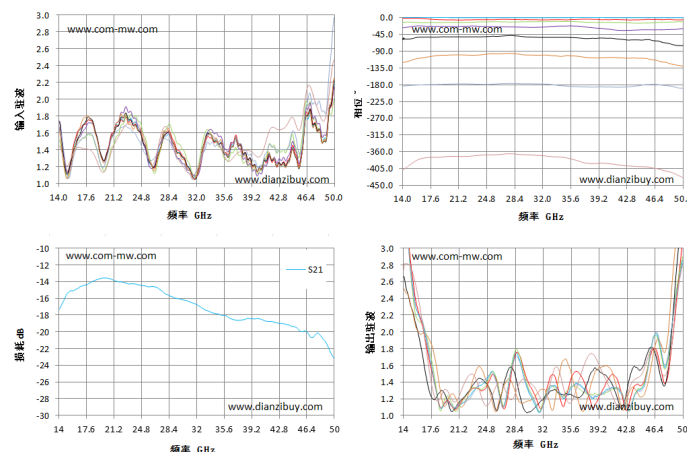
Reference picture



Configuration(mm)



Typical test curve



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

Typical test data

Frequency(GHz)	1 4	1 9. 1 4	2 4. 2 9	2 9. 4 3	3 4. 5 7	3 9. 7 1	4 4. 8 6	5 0
S11	1. 6 4	1. 48	1. 66	1. 37	1. 53	1. 2	1. 32	2. 1 8
S22	3. 3	1. 11	1. 38	1. 49	1. 21	1. 28	1. 35	2. 8 5
S21	-1 7. 3	-1 3. 7	-1 4. 4	-1 6	-1 7. 8	-1 8. 5	-1 9. 4	-2 3. 1
0°	0. 1 3	0. 17	-0 .0 2	0. 02	0. 03	0. 38	-0 .2 6	-0 .2 6
`-5.625°	-1 .4 4	-5 .7	-5 .5 1	-5 .3 4	-5 .6 9	-5 .4 2	-5 .5	-5 .7 3
`-11.25°	-1 2. 7	-1 3. 3	-1 1. 5	-1 1. 3	-1 0. 5	-1 2. 7	-1 4. 7	-1 0. 8
`-22.5°	-2 6. 6	-2 3. 5	-2 3. 6	-2 5. 7	-2 2. 9	-2 9. 3	-3 2. 7	-2 9. 4
`-45°	-5 9. 2	-5 1. 5	-5 1. 4	-5 0. 9	-5 3. 1	-5 4. 7	-6 0	-7 5
`-90°	-1 2 1	-1 01	-9 9	-1 00	-1 04	-1 07	-1 09	-1 3 0
`-180°	-1 8 4	-1 79	-1 79	-1 77	-1 83	-1 86	-1 81	-1 8 9
`-354.375°	-4 0 9	-3 74	-3 69	-3 68	-3 75	-3 91	-4 00	-4 2 9

Control voltage

1	Clean the surface of the product, do not soak the product in cleaning solution for cleaning.	/
2	If the temperature is higher than 125°C, consult with us before ordering.	/

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