

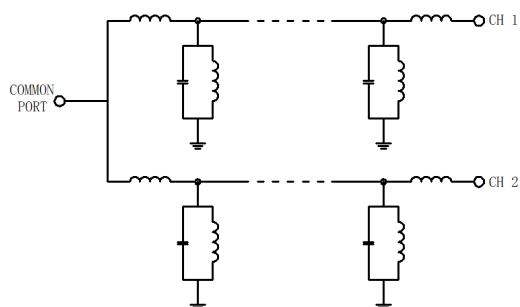
Main specifications

Parameters	Frequency	/	Min	Typical	Max	Units
Passband F1	/	/	1.5	~	2.1	GHz
Passband F2	/	/	3	~	12	GHz
band 1 IL	/	/			1	dB
band 2 IL	/	/			1	dB
Passband VSWR	/	/			1.8	
Band 1 Rejection	3-12	GHz	60			dB
band 2 Rejection	1.5-2.1	GHz	60			dB

Other parameters

Connector	SMA-F or K
Connector material	Stainless steel
Impedance	50Ω
Surface	silver-plate
Power Capacity	20W Design assurance
Product shell material	Aluminium
Operation Temp.	-40~+70°C Design assurance

Functional diagram



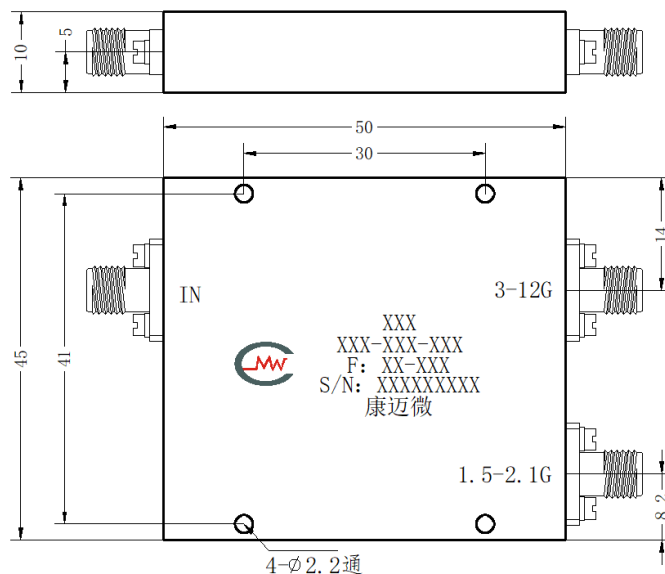
Port Definition

1	Common port	---
2	Passband 1	---
3	Passband 2	---
4	GND Port	---

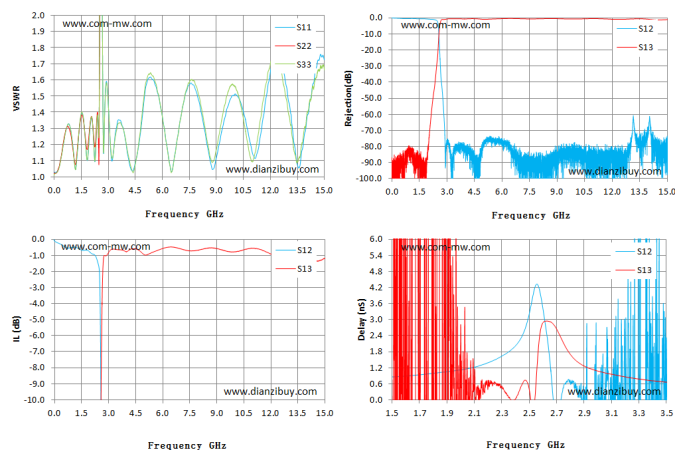
Reference picture



Configuration(mm)



Typical test curve



Note

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

Typical test data

Frequency GHz	S 1 1 V S W R	S 2 2 V S W R	S 3 3 V S W R	S 1 2 I L d B	S 1 3 I L d B	S 1 2 R e j.	S 1 3 抑 制 d B	S 1 2 D e l a y n s	S 1 3 D e l a y n s
0.03	1. 0 3	1. 0 2	1. 0 1	- 0 1 1	- 8 8 1 6 0	- 0 . 1 1	-8 8. 6 0	0 . 7 3	- 1 5 . 8 9
1.10	1. 1 5	1. 1 4	1. 1 4	- 0 . 4 9	- 8 1 . 4 2 7	- 0 . 4 9	-8 1. 2 7 8	0 . 7 8	3 . 8 2
2.17	1. 3 1	1. 3 2	1. 3 1	- 0 . 9 3	- 6 1 . 9 1 4	- 0 . 9 3	-6 1. 1 4 3	1 . 3 3	0 . 5 7
3.24	1. 1 0	7 4. 2 8	1. 1 5	- 8 5 . 7 2	- 0 . 6 1 2	- 8 5 . 7 2	-0 . 6 1 7	- 0 . 8 7	0 . 8 2
4.31	1. 0 4	4 3. 6 4	1. 0 5	- 8 3 . 6 5	- 0 . 6 0 5	- 8 3 . 6 5	-0 . 6 0	- 1 . 3 2	0 . 4 7
5.38	1. 6 2	2 4. 1 8	1. 6 4	- 7 5 . 4 8	- 0 . 8 5 8	- 7 5 . 4 8	-0 . 8 5	0 . 0 7	0 . 3 7
6.45	1. 0 7	1 4. 5 3	1. 0 6	- 7 9 . 0 0	- 0 . 9 8 0	- 7 9 . 8 0	-0 . 8 9	- 0 . 5 9	0 . 3 4

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

Frequency GHz	S 1 1 V S W R	S 2 2 V S W R	S 3 3 V S W R	S 1 2 I L d B	S 1 3 I L d B	S 1 2 R e j.	S 1 3 抑 制 d B	S 1 2 D e l a y n s	S 1 3 D e l a y n s
7.52	1. 5 7	2 6. 3 7	1. 5 9	- 9 4 . 6 0	- 0 . 7 2 6 0	- 9 4 . 6 0	-0 .7 2	- 1 0 . 7 5	0 . 3 1
8.58	1. 1 6	3 8. 4 9	1. 1 8	- 9 0 . 8 3	- 0 . 5 4 3	- 9 0 . 8 3	-0 .5 4	4 . 5 1	0 . 3 0
9.65	1. 4 4	4 7. 5 6	1. 5 2	- 8 4 . 4 3	- 0 . 7 7 3	- 8 4 . 4 3	-0 .7 7	0 . 2 8	0 . 2 8
10.72	1. 3 0	5 1. 8 2	1. 2 2	- 8 3 . 7 3	- 0 . 5 9 3	- 8 3 . 7 3	-0 .5 9	0 . 5 0	0 . 2 9
11.79	1. 5 0	5 1. 8 7	1. 5 8	- 8 2 . 6 0	- 0 . 8 1 0	- 8 2 . 6 0	-0 .8 1	0 . 2 9	0 . 2 8
12.86	1. 5 7	4 1. 9 7	1. 4 9	- 8 3 . 7 7	- 0 . 8 6 7	- 8 3 . 7 7	-0 .8 6	- 1 . 1 4	0 . 2 7
13.93	1. 2 8	2 7. 5 9	1. 3 0	- 7 1 . 7 4	- 0 . 8 6 4	- 7 1 . 7 4	-0 .8 6	- 1 . 4 8	0 . 2 9

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

COM-MW TECHNOLOGY

Passband F11.5~2.1GHz, Passband F23~12GHz, SMA

Frequency GHz	S11	S22	S33	S12	S13	S23	S11	S22	S33
	11.2VSWR	22.3VSWR	33.4VSWR	12.1VSWR	13.2VSWR	23.3VSWR	11.2VSWR	12.3VSWR	13.4VSWR
15.00	1.72	2.40	1.66	-7.89	-1.70	-1.78	-1.20	2.20	0.27

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