

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	2	~	18	GHz
IL			0.7	dB
Theoretical loss		4.78		dB
Isolation	20			dB
Input VSWR			1.35	
Output VSWR			1.3	
Amplitude balance			± 0.3	dB
Phase balance			± 3	°

Other parameters

Power Capacity	15W Design assurance
X-Way	3-way
Phase	0°
Impedance	50Ω
Connector	SMA-F or K
Surface	Conductive oxidation
Product shell material	Aluminium
Operation Temp.	-40~+70°C Design assurance
Quality Grade	Industrial grade
ROHS	Compliant Available

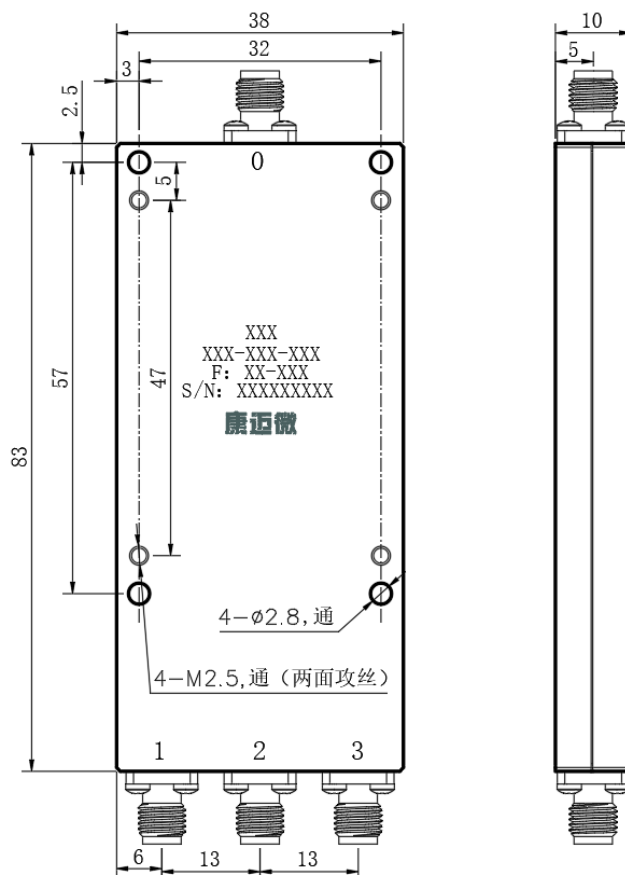
Port Definition

Common port	0
Dispatch Port	1, 2, 3

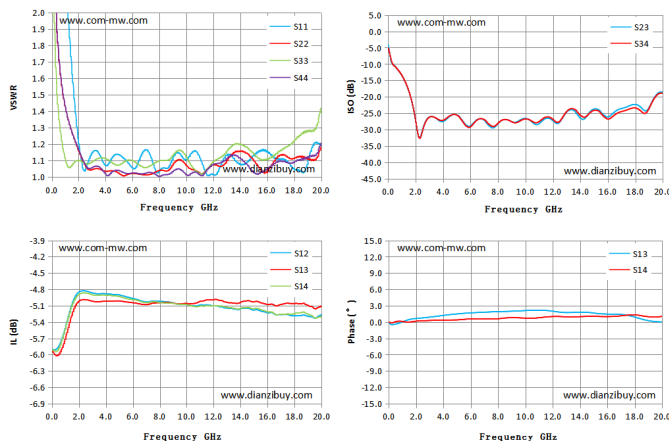
Reference picture



Configuration(mm)



Typical test curve



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

Suggested PCB Layout

Frequency GHz	S 1 1 V S W R	S 2 2 V S W R	S 1 1 I L d B	S 1 1 I L d B	S 2 3 I L S O d B	S 3 4 I L S O d B	S 1 3 P h a s e (°)	S 1 4 P h a s e (°)
0.01	2. 8 7	2. 8 1	- 5 . 9 2	- 5 . 9 3	- 4. 1 1	- 5. 1 4	- 0 . 1 3	- 0 . 0 5
1.44	1. 7 5	1. 3 0	- 5 . 1 3 3	- 5 . 3 2	- 1 7. 3 1	- 1 7. 2 2	0 . 4 1	- 0 . 0 1
2.87	1. 1 2	1. 0 4	- 4 . 8 6	- 5 . 0 1	- 2 6. 6 7	- 2 6. 7 9	0 . 8 6	0 . 2 6
4.29	1. 0 9	1. 0 4	- 4 . 8 9	- 5 . 0 2	- 2 6. 7 2	- 2 6. 4 5	1 . 3 0	0 . 3 6
5.72	1. 0 8	1. 0 2	- 4 . 9 5	- 5 . 0 4	- 2 8. 7 5	- 2 9. 0 5	1 . 6 4	0 . 5 4
7.15	1. 1 6	1. 0 1	- 5 . 0 3	- 5 . 0 8	- 2 7. 8 3	- 2 7. 5 3	1 . 8 2	0 . 5 7
8.58	1. 0 5	1. 0 4	- 5 . 0 3	- 5 . 0 4	- 2 6. 9 2	- 2 6. 9 3	1 . 9 5	0 . 7 5
10.01	1. 1 1	1. 0 7	- 5 . 0 8	- 5 . 0 6	- 2 6. 6 7	- 2 6. 7 7	2 . 1 0	0 . 7 2

Note

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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Frequency GHz	S 1 1 V S W R	S 2 2 V S W R	S 1 1 I L d B	S 1 1 I L d B	S 2 3 I S O d B	S 3 4 I S O d B	S 1 3 P h a s e (°)	S 1 4 P h a s e (°)
11.43	1. 0 3	1. 0 4	- 5 . 0 8	- 5 . 0 0	- 2 6. 7 3	- 2 6. 2 8	2 . 1 2	0 . 9 0
12.86	1. 1 2	1. 0 8	- 5 . 1 4	- 5 . 0 3	- 2 5. 4 8	- 2 5. 3 5	1 . 7 4	0 . 9 6
14.29	1. 0 7	1. 1 5	- 5 . 1 5	- 5 . 0 2	- 2 6. 7 7	- 2 6. 2 7	1 . 7 9	1 . 0 1
15.72	1. 1 7	1. 0 3	- 5 . 2 1	- 5 . 0 6	- 2 5. 6 2	- 2 6. 0 4	1 . 4 9	1 . 0 0
17.14	1. 1 1	1. 1 4	- 5 . 2 6	- 5 . 0 7	- 2 3. 4 2	- 2 4. 3 6	1 . 3 6	1 . 1 9
18.57	1. 0 3	1. 1 3	- 5 . 2 8	- 5 . 0 7	- 2 3. 9 7	- 2 4. 9 8	0 . 4 8	1 . 1 1
20.00	1. 1 9	1. 1 8	- 5 . 2 6	- 5 . 1 0	- 1 8. 5 1	- 1 8. 8 9	0 . 0 3	1 . 0 4

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