

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	1	~	50	GHz
IL			2.5	dB
Coupling	18	20	22	dB
Directivity	8			dB
Main line VSWR			1.8	
Coupled line VSWR			1.8	

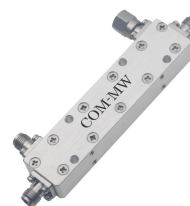
Other parameters

Connector	2.4-F or K
Connector material	Stainless steel
Impedance	50Ω
Surface	Conductive oxidation
Power Capacity	10W Design assurance
Shell Material	Aluminium
Operation Temp.	-40~+70°C Design assurance
Quality Grade	Industrial grade
ROHS	Compliant Available

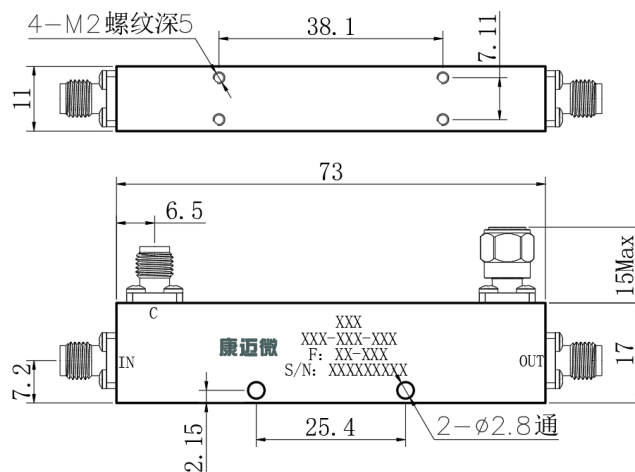
Port Definition

Input port	IN	---
Output port	OUT	---
Coupling port	C	---

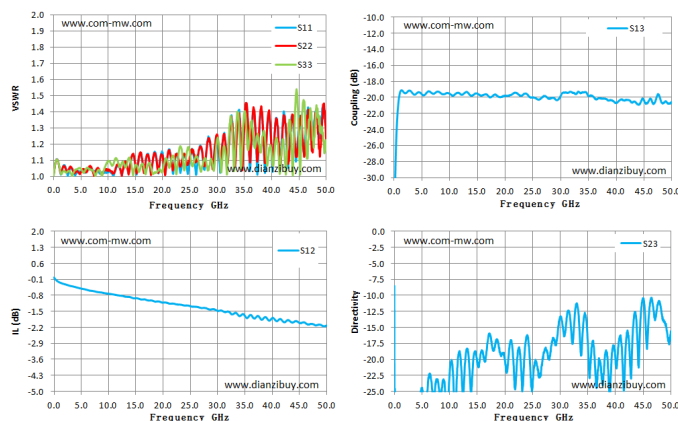
Reference picture



Configuration(mm)



Typical test curve



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.

Typical test data

Frequency GHz	S1 1 VS WR	S2 2 VS WR	S3 3 VS WR	S1 2 IL (dB)	S13 Cou plin g	S23 Dire ctivi ty
0.01	1.0 1	1.0 1	1.0 1	-0. 02	-51. 99	-8.5 2
3.58	1.0 4	1.0 3	1.0 2	-0. 42	-19. 64	-27. 19
7.15	1.0 4	1.0 4	1.0 4	-0. 61	-19. 54	-26. 02
10.72	1.0 2	1.0 3	1.0 7	-0. 75	-19. 79	-23. 49
14.29	1.1 2	1.1 2	1.0 7	-0. 91	-19. 69	-19. 95
17.86	1.0 2	1.0 1	1.0 6	-1. 02	-19. 75	-18. 61
21.43	1.1 5	1.1 3	1.0 7	-1. 17	-19. 52	-18. 74
25.01	1.1 1	1.1 3	1.1 4	-1. 27	-20. 00	-24. 46
28.58	1.2 3	1.2 4	1.0 7	-1. 42	-20. 03	-17. 05
32.15	1.1 9	1.1 8	1.2 4	-1. 53	-19. 44	-17. 28
35.72	1.2 9	1.3 1	1.1 6	-1. 73	-19. 83	-18. 04
39.29	1.3 6	1.3 6	1.0 8	-1. 89	-20. 36	-19. 78
42.86	1.1 3	1.1 7	1.1 7	-1. 88	-20. 67	-22. 37
46.43	1.3 5	1.3 0	1.1 3	-2. 05	-20. 48	-10. 56
50.00	1.2 4	1.2 3	1.2 3	-2. 12	-20. 54	-15. 59

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