

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	18	~	50	GHz
IL			1.5	dB
Theoretical loss			4.78	dB
Isolation	17	20		dB
Input VSWR		1.5	1.6	
Output VSWR		1.5	1.6	
Amplitude balance			0.8	dB
Phase balance			±6	°

Other parameters

Power Capacity	10W Design assurance
X-Way	3-way
Phase	0°
Impedance	50Ω
Connector	2.4-F or K
Connector material	Stainless steel
Surface	Conductive oxidation
Product shell material	Aluminium
Operation Temp.	-40~+70°C Design assurance
Quality Grade	Industrial grade
ROHS	Compliant Available

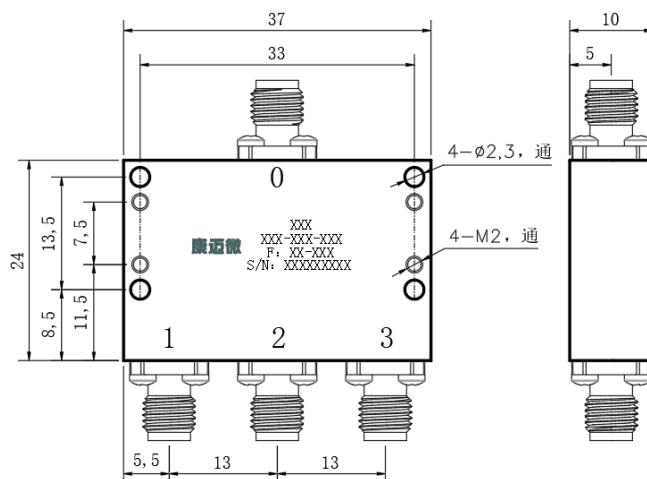
Port Definition

Common port	0
Dispatch Port	1, 2, 3

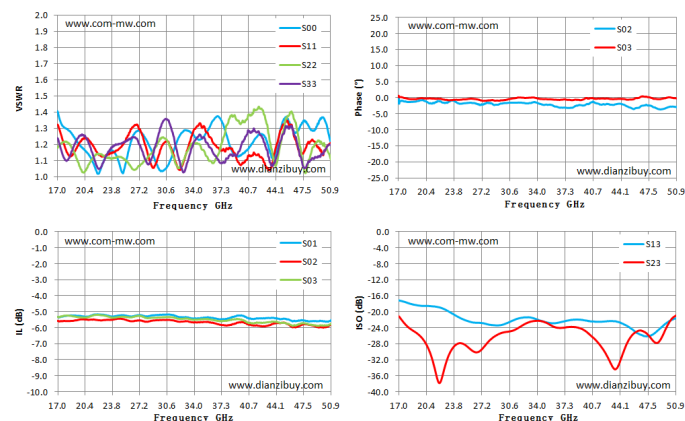
Reference picture



Configuration(mm)



Typical test curve



Note

- 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	S00 VSW R	S11 VSW R	S01 IL dB	S02 Pha se	S1 3 ISO
17.00	1.41	1.32	-5.3 3	-1.7 8	-17. 16
19.42	1.22	1.18	-5.2 6	-1.0 0	-18. 43
21.84	1.04	1.16	-5.1 7	-1.0 3	-18. 84
24.26	1.14	1.16	-5.2 7	-1.6 7	-21. 24
26.69	1.27	1.32	-5.2 4	-2.0 8	-22. 76
29.11	1.11	1.07	-5.2 1	-2.1 9	-23. 43
31.53	1.17	1.12	-5.2 4	-1.5 4	-21. 75
33.95	1.26	1.29	-5.4 2	-1.5 7	-21. 92
36.37	1.35	1.21	-5.4 1	-2.8 7	-22. 80
38.79	1.15	1.16	-5.3 2	-2.4 6	-21. 96
41.21	1.21	1.13	-5.4 5	-1.7 8	-22. 51
43.64	1.12	1.06	-5.3 8	-1.9 4	-22. 43
46.06	1.31	1.32	-5.5 7	-3.1 5	-25. 10
48.48	1.29	1.22	-5.5 9	-3.3 3	-25. 06
50.90	1.22	1.21	-5.5 4	-2.8 1	-21. 64

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