

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	30	~	50	GHz
IL			1.5	dB
Isolation	18	20		dB
Input VSWR			1.6	
Output VSWR			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
Connector material	Stainless steel
Surface	Conductive oxidation
Product shell material	Aluminium
Operation Temp.	-40~+70°C Design assurance
Quality Grade	Industrial grade

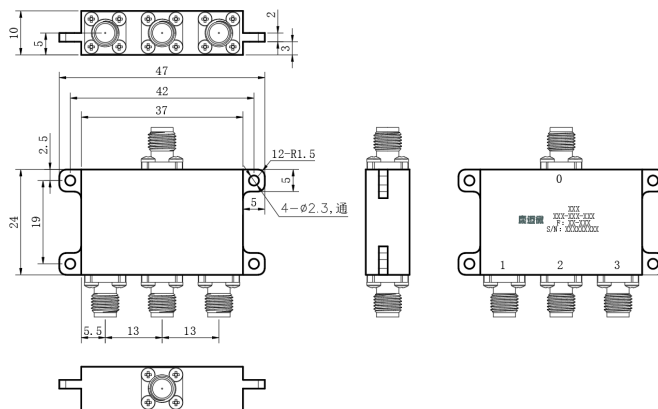
Port Definition

Common port	0
Dispatch Port	1, 2, 3

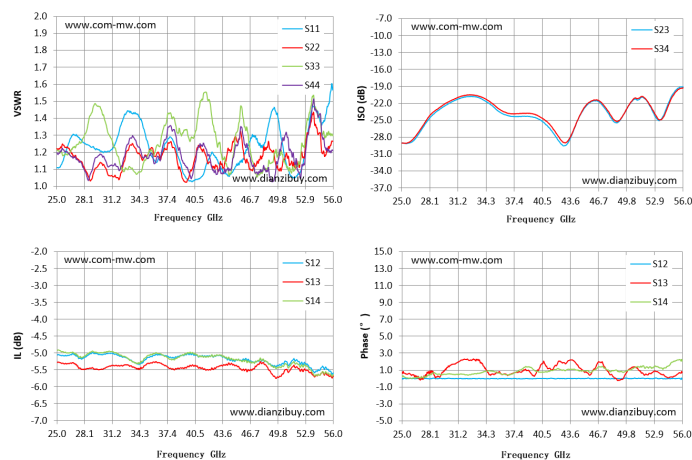
Reference picture



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	S11 VS WR	S22 VS WR	S12 IL (dB)	S23 ISO dB	S13 Pha se (°)
25.00	1.11	1.22	-5.0 6	-29. 05	0.61
27.21	1.30	1.17	-5.1 0	-26. 60	-0.0 7
29.43	1.22	1.11	-5.0 2	-22. 79	0.72
31.64	1.26	1.05	-5.0 4	-20. 98	2.16
33.86	1.43	1.23	-5.3 0	-21. 23	1.75
36.07	1.14	1.18	-5.0 4	-23. 80	0.46
38.29	1.24	1.22	-5.1 2	-24. 28	0.82
40.50	1.04	1.16	-5.0 5	-25. 20	1.78
42.71	1.18	1.11	-5.0 8	-29. 40	1.87
44.93	1.10	1.28	-5.2 5	-23. 37	1.02
47.14	1.30	1.13	-5.3 0	-22. 39	1.95
49.36	1.45	1.21	-5.3 9	-24. 21	-0.1 2
51.57	1.05	1.13	-5.1 7	-20. 90	0.65
53.79	1.47	1.43	-5.5 5	-24. 32	0.46
56.00	1.57	1.26	-5.6 0	-19. 04	0.68

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