

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	26	~	40	GHz
IL			0.3	dB
1,2 Port ISO	18	20		dB
0,3 Port ISO	35			dB
Common port VSWR			1.35	
Branching port VSWR			1.35	
Amplitude balance			0.2	dB
Phase balance			5	°

Other parameters

Power Capacity	300W Design assurance
X-Way	2-way
Phase	0°
Connector	Waveguide
Waveguide port	BJ320
Surface	Conductive oxidation
Product shell material	Aluminium
Operation Temp.	-40~+70°C Design assurance

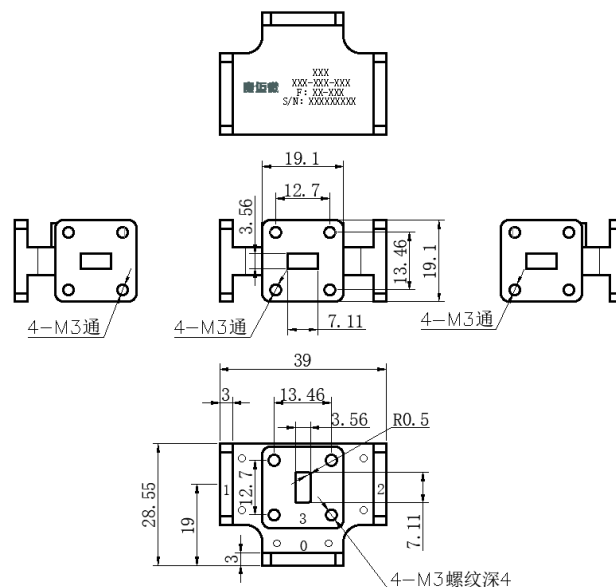
Port Definition

Common port	0
Dispatch Port	1, 2
Isolated Port	3

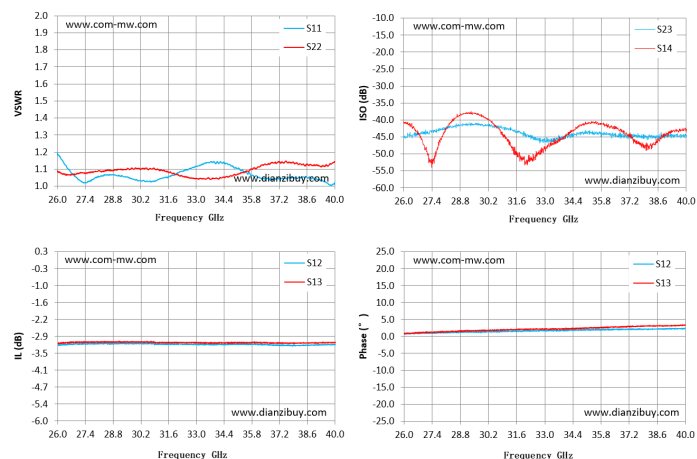
Reference picture



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	S12 IL (dB)	S13 IL (dB)	S23 ISO dB	S12 Pha se
26	1.19	-3.2	-3.1 3	-45. 16	0.9 7
27	1.04	-3.1 3	-3.0 8	-43. 77	1.0 6
28	1.05	-3.1 1	-3.0 6	-43. 01	1.2 3
29	1.06	-3.1 1	-3.0 7	-41. 29	1.2 7
30	1.04	-3.1 1	-3.0 6	-41. 82	1.4 4
31	1.03	-3.1 4	-3.0 9	-42. 56	1.5
32	1.07	-3.1 5	-3.0 9	-44. 86	1.7 3
33	1.12	-3.1 5	-3.0 9	-46. 21	1.7 1
34	1.13	-3.1 6	-3.1 1	-45. 05	1.7 5
35	1.11	-3.1 5	-3.0 8	-43. 18	2.0 2
36	1.06	-3.1 6	-3.0 8	-44. 19	1.9
37	1.04	-3.1 8	-3.1 1	-44. 87	2.1
38	1.05	-3.2	-3.1	-45. 41	2.2
39	1.04	-3.1 7	-3.0 9	-44. 52	2.2 3
40	1.02	-3.1 6	-3.0 9	-44. 86	2.3 8

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