

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	18	~	50	GHz
IL			2	dB
Coupling	8.8	10	11.2	dB
Directivity	8	10		dB
Main line VSWR			1.7	
Coupled line VSWR			2	

Other parameters

Connector	2.4-K
Connector material	Stainless steel
Impedance	50Ω
Power Capacity	20W
Operation Temp.	-30~+70°C Design assurance
Quality Grade	Industrial grade

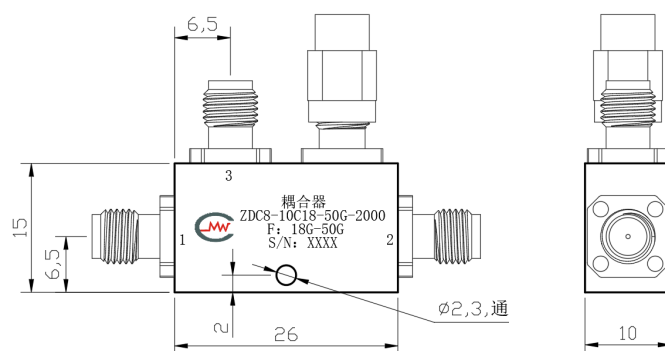
Port Definition

Input port	1
Output port	2
Coupling port	3

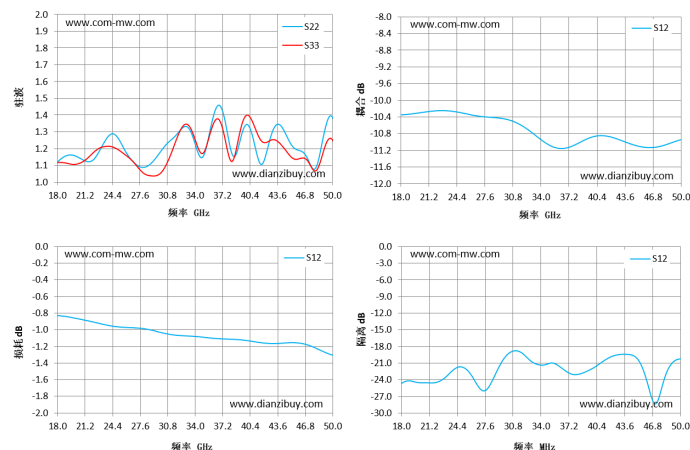
Reference picture



Configuration(mm)



Typical test curve



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

Typical test data

Frequency(GHz)	S22 VSW R	S33 VSW R	S12 IL dB	S12 coupl ing	S12 ISO dB
18	1.11	1.12	-0.8 3	-10.3 5	-24.7 5
20.29	1.15	1.11	-0.8 6	-10.3	-24.5 4
22.57	1.15	1.19	-0.9 2	-10.2 5	-24.1 8
24.86	1.28	1.2	-0.9 6	-10.3	-21.6 7
27.14	1.11	1.1	-0.9 8	-10.3 9	-25.7 6
29.43	1.14	1.04	-1.0 2	-10.4 4	-21.1 3
31.71	1.27	1.23	-1.0 7	-10.6	-19.0 2
34	1.24	1.26	-1.0 8	-10.9 4	-21.3 5
36.29	1.41	1.36	-1.1 1	-11.1 6	-21.6 9
38.57	1.15	1.14	-1.1 2	-11.0 1	-22.9 4
40.86	1.26	1.35	-1.1 4	-10.8 5	-21.0 9
43.14	1.31	1.25	-1.1 7	-10.9 6	-19.4 5
45.43	1.21	1.14	-1.1 6	-11.1 2	-21.0 2
47.71	1.08	1.08	-1.2 1	-11.1	-26.5 2
50	1.39	1.25	-1.3 1	-10.9 5	-20.2 5

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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