

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	1	~	40	GHz
IL			1.8	dB
Coupling	28.5	30	31.5	dB
Directivity	12			dB
Main line VSWR		1.35	1.5	
Coupled line VSWR		1.35	1.5	

Other parameters

Connector	2.92-F
Connector material	Stainless steel
Impedance	50Ω
Surface	Conductive oxidation
Power Capacity	20W Design assurance
Operation Temp.	-40~+70°C Design assurance

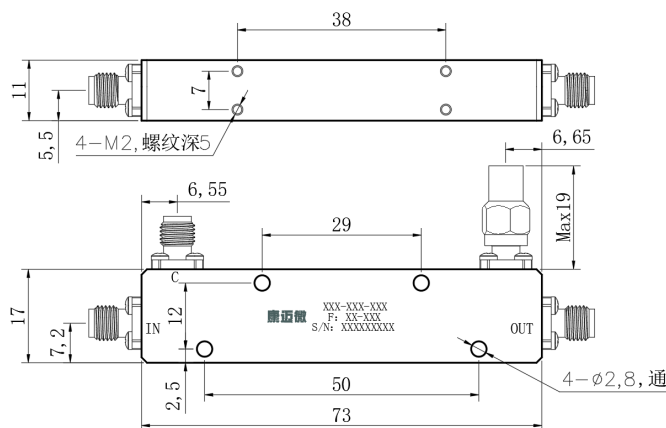
Port Definition

Input port	IN	2.92-K
Output port	OUT	2.92-K
Coupling port	C	2.92-K

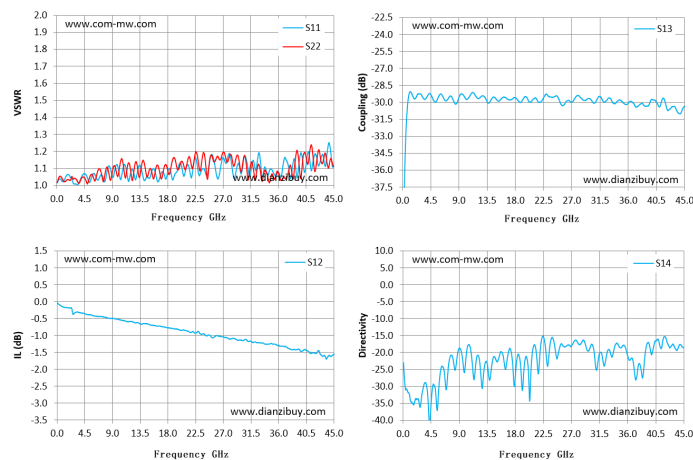
Reference picture



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 VSW R	S22 VSW R	S12 IL (dB)	S13 Coup ling	S14 Direc tivity
0.5	1.04	1.05	-0.1	-33.0 9	-30.89
3.68	1.02	1.01	-0.3 2	-29.6 9	-29.27
6.86	1.04	1.1	-0.4 4	-29.8 7	-30.73
10.04	1.09	1.07	-0.5 2	-29.6 7	-22.32
13.21	1.1	1.09	-0.6 2	-29.6 3	-22.88
16.39	1.02	1.12	-0.7 2	-29.5 8	-24.88
19.57	1.08	1.1	-0.8 1	-29.4 8	-22.01
22.75	1.14	1.19	-0.9	-29.3 5	-17.37
25.93	1.07	1.16	-1	-30.0 6	-18.41
29.11	1.08	1.16	-1.1 1	-29.8 3	-16.88
32.29	1.09	1.03	-1.2	-29.9 6	-23.94
35.46	1.06	1.04	-1.2 6	-30.1 6	-17.98
38.64	1.15	1.1	-1.4 1	-30.3 4	-24.07
41.82	1.17	1.11	-1.5 2	-29.8 5	-15.49
45	1.11	1.11	-1.5 4	-30.3 4	-18.66

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