

Product features

Broadband, high-power.

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	2	~	18	GHz
IL			1.2	dB
Coupling	8.5	10	11.5	dB
Coupling flatness			± 1	dB
Directivity	10			dB
Main line VSWR			1.5	
Coupled line VSWR			1.5	

Other parameters

Connector	SMA-K
Connector material	Stainless steel
Impedance	50 Ω
Surface	Black baking paint
Power Capacity	20W Design assurance
Operation Temp.	-40~+70°C Design assurance

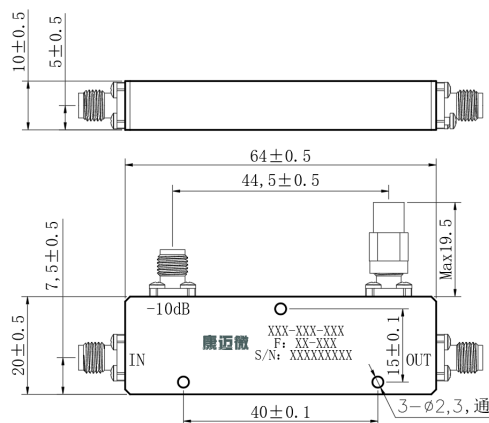
Port Definition

Input port	IN	SMA-K
Output port	OUT	SMA-K
Coupling port	-10dB	SMA-K

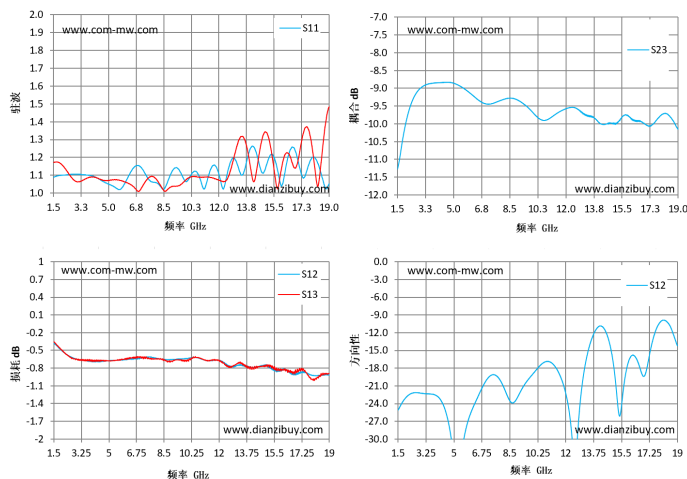
Reference picture



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)	S11 VSW R	S22 VSW R	S12 IL dB	S23 Coup ling	S12 Direct ivity
1.5	1.09	1.17	-0.3 8	-11.2 8	-25.13
2.75	1.11	1.08	-0.6 3	-9.1	-22.17
4	1.1	1.09	-0.6 8	-8.85	-22.83
5.25	1.04	1.07	-0.6 7	-8.91	-37.16
6.5	1.13	1.04	-0.6 5	-9.32	-22.91
7.75	1.06	1.09	-0.6 2	-9.38	-19.51
9	1.12	1.04	-0.6 6	-9.34	-22.9
10.25	1.1	1.09	-0.6 3	-9.82	-18.03
11.5	1.14	1.09	-0.6 8	-9.7	-18.44
12.75	1.18	1.13	-0.7 7	-9.6	-29.18
14	1.25	1.15	-0.7 9	-9.93	-11.13
15.25	1.21	1.27	-0.8	-9.96	-24
16.5	1.24	1.21	-0.8 8	-9.92	-16.81
17.75	1.17	1.34	-0.9 1	-9.85	-10.93
19	1.05	1.48	-0.9 2	-10.1 5	-14.24

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.