

Product features

Broadband, high-power.

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	9.84	~	15	GHz
IL			0.2	dB
Coupling	8.5	10	11.5	dB
Directivity	18			dB
Main line VSWR			1.1	
Coupled line VSWR			1.4	

Other parameters

Coupling port	SMA-K
Waveguide port	BJ120
Surface	silver-plate
Power Capacity	200W Design assurance
Shell Material	Aluminium
Operation Temp.	-55~+85°C Design assurance
Storage Temp.	-55~+125°C Design assurance
Other	12.75-14.8GHz coupling flatness ± 0.6 dB, excluding distribution loss 0.46dB.

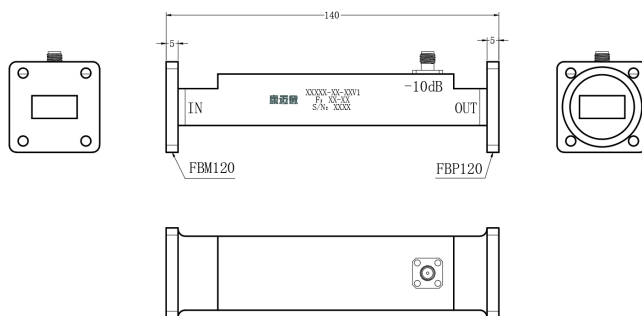
Port Definition

Input port	IN	(FBM120)
Output port	OUT	(FBP120)
Coupling port	-10dB	(SMA-K)

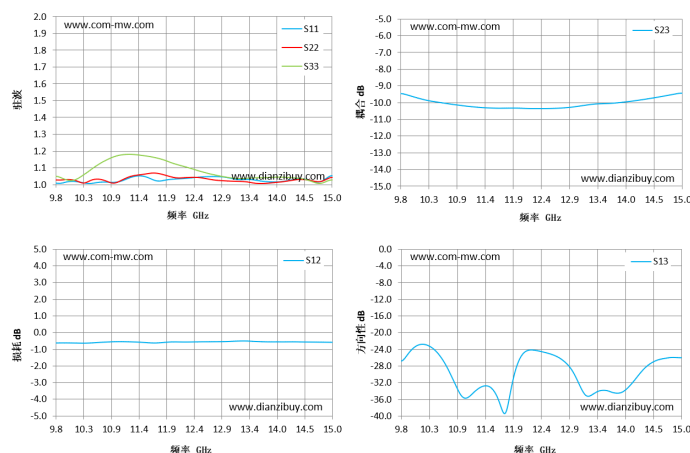
Reference picture



Configuration(mm)



Typical test curve



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.

Typical test data

Frequency(GHz)	S11 VSW R	S33 VSW R	S12 IL dB	S23 Coup ling	S13 Direct ivity
9.83	1.01	1.05	-0.6 1	-9.47	-26.83
10.2	1.02	1.03	-0.6 1	-9.77	-22.86
10.57	1.01	1.11	-0.5 9	-10	-25.98
10.94	1.01	1.17	-0.5 4	-10.1 6	-34.91
11.31	1.05	1.18	-0.5 5	-10.2 9	-33.03
11.68	1.03	1.16	-0.6 1	-10.3 3	-37.65
12.05	1.03	1.12	-0.5 5	-10.3 3	-25.69
12.42	1.04	1.09	-0.5 5	-10.3 5	-24.59
12.78	1.05	1.06	-0.5 4	-10.3 2	-26.26
13.15	1.03	1.04	-0.5 1	-10.1 9	-33.23
13.52	1.03	1.04	-0.5 1	-10.0 7	-33.89
13.89	1.02	1.04	-0.5 5	-9.99	-34.38
14.26	1.03	1.04	-0.5 4	-9.83	-29.4
14.63	1.02	1.02	-0.5 6	-9.64	-26.37
15	1.05	1.03	-0.5 7	-9.45	-26.05

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