

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	13.75	~	14.5	GHz
IL			0.6	dB
Isolation		Not have		dB
Input VSWR			1.35	
Output VSWR		Not have		
Amplitude balance			± 0.3	dB
Phase balance			± 5	°

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.

Other parameters

Power Capacity	600W Design assurance
X-Way	3-way
Phase	0°
Connector	Waveguide
Waveguide port	BJ120
Surface	Black baking paint
Product shell material	Aluminium
Operation Temp.	-40~+70°C Design assurance
Quality Grade	Industrial grade

Port Definition

Common port	0 (FBP120)
Dispatch Port	1, 2, 3 (FBP120)

Typical test data

Frequency(GHz)	S11 VS WR	S12 IL dB	S13 IL dB	S14 IL dB	S14 Phase (°)
13	1.09	-5.13	-4.99	-5.14	-1.42
13.14	1.1	-5	-4.94	-5.05	0.74
13.29	1.13	-5.09	-4.89	-4.79	-0.11
13.43	1.17	-5.03	-5.1	-4.91	-2.27
13.57	1.19	-4.88	-5.01	-4.99	-1.09
13.71	1.13	-4.93	-4.9	-4.99	-0.32
13.86	1.09	-4.87	-5.02	-4.86	-0.05
14	1.19	-4.9	-4.98	-4.76	-0.66
14.14	1.28	-4.95	-5	-5.07	-1.6
14.29	1.19	-4.81	-4.83	-4.92	0.78
14.43	1.07	-4.87	-4.74	-4.75	-0.02
14.57	1.14	-4.84	-4.91	-4.86	-0.97
14.71	1.22	-4.79	-4.91	-4.81	0.07
14.86	1.22	-4.91	-4.91	-4.97	-1.03
15	1.15	-4.76	-4.79	-4.93	0.94

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