

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	1	~	18	GHz
IL			4.5	dB
Isolation	16			dB
Input VSWR			1.6	
Output VSWR			1.5	
Amplitude balance			±0.6	dB
Phase balance			±8	°

Other parameters

Power	20W Design assurance
way	8-way
Phase	0°
Impedance	50Ω
Connector	SMA-K
Connector material	Stainless steel
Surface	Black
Product shell material	Aluminium
Work Temp.	-40~+85°C Design assurance
Quality Grade	Industrial grade

Port Definition

Common port	IN
Dispatch Port	1, 2, 3, 4, 5, 6, 7, 8

Reference picture

Configuration(mm)

Typical test curve

Note

1	Please do not wash the product in the cleaning solution.,Please do not wash the product in the cleaning solution.
2	If the temperature is higher than 125°C, consult with us before ordering.

Typical test data

Frequency GHz	S11 VSW R	S12 IL (dB)	S13 Phase (°)	S23 ISO dB
1	1.24	-9.38	-0.07	-17.9 5
2.21	1.27	-9.56	-0.07	-20.5 3
3.43	1.33	-9.79	-0.05	-21.2 1
4.64	1.22	-9.92	-0.03	-23.8 4
5.86	1.05	-9.98	0.07	-31.4 3
7.07	1.3	-10.2 5	0.26	-26.2 1
8.29	1.41	-10.5	0.51	-24.8 6
9.5	1.17	-10.5	0.73	-26.6
10.71	1.13	-10.5 4	0.98	-25.3 2
11.93	1.04	-10.6 7	1.14	-23.8 6
13.14	1.17	-11.0 7	1.19	-22.1 5
14.36	1.23	-11.2	1.32	-23.7 7
15.57	1.14	-11.3 8	1.61	-21.9
16.79	1.05	-11.5 6	1.73	-31.3 6
18	1.03	-11.6 8	1.87	-32.4 4

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