

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	400	~	18000	MHz
IL			1.3	dB
Isolation	12@0.4-0.5G			dB
Isolation	16@0.6-18G			dB
Input VSWR			1.5	
Output VSWR			1.5	
Amplitude balance			±0.3	dB
Phase balance			±3	°

Other parameters

Power Capacity	20W Design assurance
X-Way	2-way
Phase	0°
Impedance	50Ω
Connector	SMA-K
Connector material	Stainless steel
Surface	White
Product shell material	Aluminium
Operation Temp.	-40~+85°C Design assurance
Quality Grade	Industrial grade

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 VS WR	S12 IL (dB)	S13 IL (dB)	S13 Pha se (°)	S23 ISO dB
0.3	1.54	-3.3	-3.3 1	0.03	-11. 04
1.71	1.2	-3.2 5	-3.2 6	0.21	-28. 56
3.11	1.12	-3.3 3	-3.3 4	0.47	-32. 11
4.52	1.18	-3.4 3	-3.4 4	0.66	-24. 91
5.93	1.14	-3.4 4	-3.4 6	0.84	-24. 19
7.34	1.18	-3.5 5	-3.5 7	1	-22. 62
8.74	1.1	-3.5 4	-3.5 7	1.08	-26. 16
10.15	1.25	-3.6 2	-3.6 7	1.01	-25. 48
11.56	1.22	-3.6 2	-3.6 9	0.64	-26. 13
12.96	1.17	-3.7 9	-3.8 7	0.05	-25. 3
14.37	1.23	-3.9 4	-4	0.22	-30. 75
15.78	1.26	-4.0 3	-4.1 1	0.24	-36. 35
17.19	1.1	-4.0 5	-4.1 5	0.49	-23. 16
18.59	1.33	-4.1 4	-4.2 6	0.66	-24. 53
20	1.23	-4.4 3	-4.4 7	0.83	-28. 87

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