

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	0.1	~	35	MHz
IL			0.6	dB
Isolation		30		dB
Input VSWR			1.3	
Output VSWR			1.3	
Amplitude balance			0.3	dB
Phase balance			±2	°

Other parameters

Power	1W Design assurance
way	3-way
Phase	0°
Impedance	50Ω
Connector	SMD
Work Temp.	-40~+85°C Design assurance

Port Definition

Common port	3
Dispatch Port	4, 7, 8
GND	Other ports

Suggested PCB Layout

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	The product supports 220 °C reflow soldering.

Typical test data

Frequency(MHz)	S11 VSW R	S12 ISO dB	S12 IL dB	S13 IL dB	IL (dB)	S22 VSW R
0.01	1.01	-37.44	-3.95	-3.95	-3.93	1.01
4	1.01	-37.44	-3.95	-3.95	-3.93	1.01
7	1.02	-35.01	-4.12	-4.13	-4.11	1.02
14	1.03	-33.71	-4.29	-4.28	-4.31	1.03
18	1.04	-33.23	-4.46	-4.44	-4.51	1.04
21	1.05	-33.54	-4.64	-4.61	-4.62	1.04
25	1.06	-33.44	-4.81	-4.84	-4.91	1.04
32	1.07	-33.78	-4.98	-4.99	-4.98	1.05
36	1.08	-34.04	-5.15	-5.15	-5.17	1.07
39	1.08	-34.04	-5.15	-5.15	-5.17	1.07
46	1.11	-35.13	-5.49	-5.4	-5.42	1.12
50	1.13	-36.56	-5.66	-5.66	-5.69	1.15

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