

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	1	~	500	MHz
IL			1.8	dB
Isolation	18	23		dB
Input VSWR		1.25	1.5	
Output VSWR		1.25	1.5	
Amplitude balance		0.4	0.8	dB
Phase balance		2	7	°

Other parameters

Power	1W
way	4-way
Phase	0°
Impedance	50Ω
Connector	SMD
Work Temp.	-40~+85°C Design assurance
Storage Temp.	-55~+100°C Design assurance
Quality Grade	Industrial grade
Other	Replace AD4PS-1+

Port Definition

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

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 260 °C reflow soldering.

Typical test data

F(MHz)	S12I L	S23IS O	S11VSW R	S22VSW R
1	-6.79	-29.8	1.15	1.29
50	-6.34	-39.1	1.03	1.06
100	-6.35	-35.8	1.04	1.06
200	-6.42	-31.4	1.09	1.12
300	-6.42	-27.8	1.14	1.18
350	-6.47	-25.2	1.19	1.21
400	-6.46	-24.4	1.22	1.24
450	-6.51	-22.9	1.24	1.28
500	-6.54	-21.6	1.27	1.31

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