

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	2	~	250	MHz
IL		0.8	1.5	dB
Isolation	18	25		dB
Input VSWR		1.3	1.4	
Output VSWR		1.2	1.3	
Amplitude balance		0.3	0.6	dB
Phase balance		4	9	°

Other parameters

Power	1W
way	6-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 AD6PS-1+

Port Definition

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

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
2	-7.88	-27.7	1.08	1.16
30	-8.02	-30.9	1.11	1.07
50	-8.06	-33.4	1.15	1.07
80	-8.17	-31.3	1.21	1.08
110	-8.27	-29.8	1.26	1.11
150	-8.44	-28.7	1.31	1.11
190	-8.48	-28.9	1.29	1.13
220	-8.51	-30.1	1.2	1.14
250	-8.51	-33.6	1.07	1.14

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