

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	5	~	1300	MHz
IL		2	2.8	dB
Isolation	13	18		dB
Input VSWR		1.3	1.5	
Output VSWR		1.6	1.8	
Amplitude balance		0.7	1.2	dB
Phase balance		8	15	°

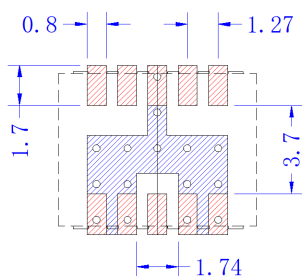
Other parameters

Power	1W Design assurance
way	4-way
Phase	0°
Connector	SMD
Work Temp.	-40~+85°C Design assurance
Storage Temp.	-55~+100°C Design assurance
Quality Grade	Industrial grade
Other	Replace SCA-4-132+

Port Definition

Common port	3
Dispatch Port	6, 7, 9, 10
GND	1, 2, 4, 5, 8

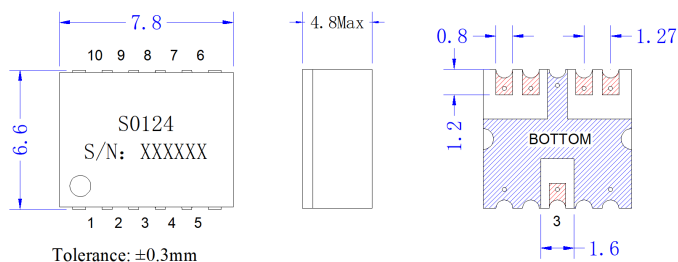
Suggested PCB Layout



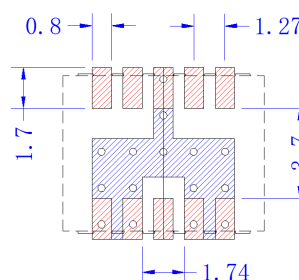
Reference picture



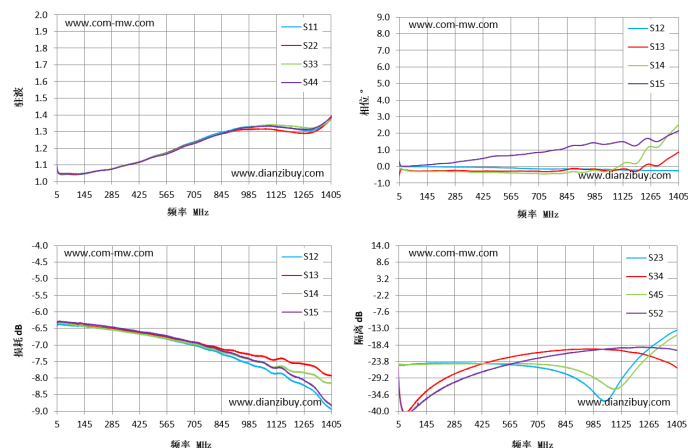
Configuration(mm)



Suggested PCB Layout



Typical test curve



Typical test data

Frequency(MHz)	S11 VSWR	S12 IL dB	S15 Phase (°)	S23 ISO dB
5	1.08	-6.41	0.28	-24.91
105	1.04	-6.43	0.06	-24.52
205	1.06	-6.48	0.17	-24.28
305	1.08	-6.55	0.29	-24.28
405	1.11	-6.65	0.45	-24.42
505	1.15	-6.75	0.64	-24.65
605	1.19	-6.88	0.71	-25.01
705	1.24	-7.02	0.85	-25.71
805	1.28	-7.17	1.01	-27.01
905	1.31	-7.38	1.27	-29.6
1005	1.33	-7.62	1.37	-35.04
1105	1.33	-7.86	1.48	-31.84
1205	1.32	-8.09	1.34	-23.22
1305	1.31	-8.36	1.52	-17.7
1405	1.38	-8.95	2.15	-13.64

Note

- Please do not wash the product in the cleaning solution.,Please do not wash the product in the cleaning solution.
- The product supports 260 °C reflow soldering.