

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	10	~	650	MHz
IL		1	1.9	dB
Isolation	18	23		dB
Input VSWR		1.2	1.3	
Output VSWR		1.2	1.3	
Amplitude balance		0.2	0.7	dB
Phase balance		4	10	°

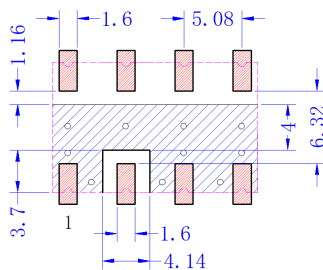
Other parameters

Power	1W
way	4-way
Phase	0°
Impedance	50Ω
Connector	SMD
Work Temp.	-40~+85°C Design assurance
Storage Temp.	-55~+125°C Design assurance
Quality Grade	Industrial grade
Other	Replace SCP-4-1W+

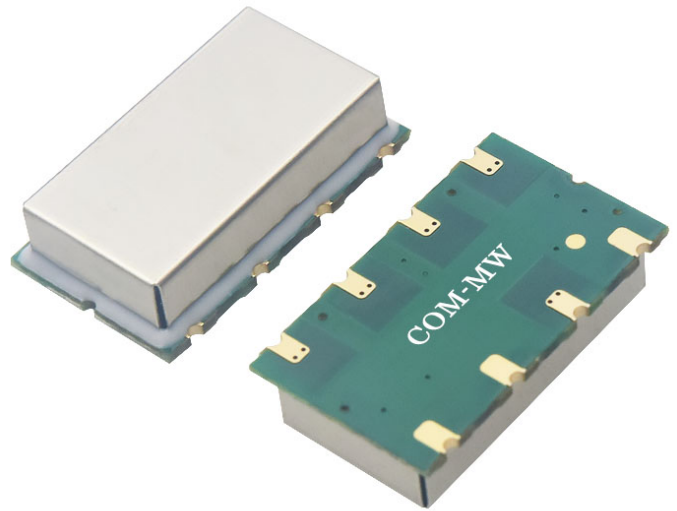
Port Definition

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

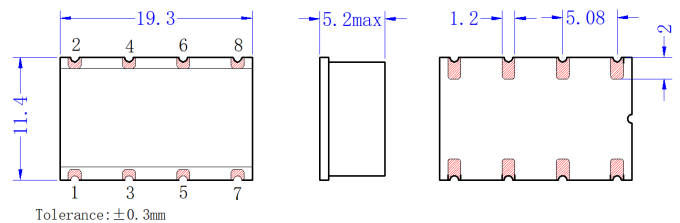
Suggested PCB Layout



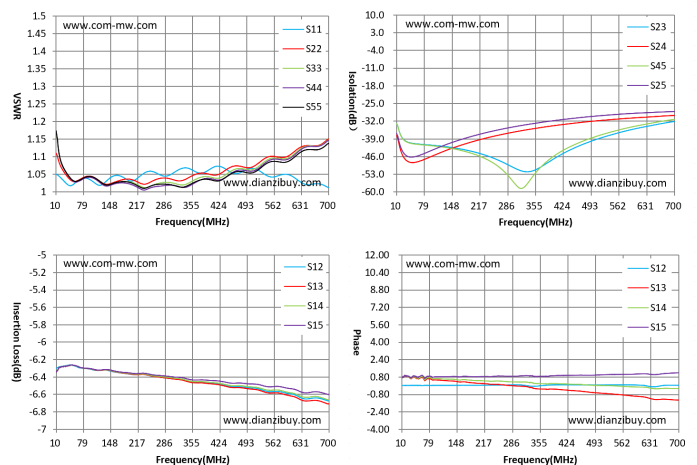
Reference picture



Configuration(mm)



Typical test curve



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

Typical test data

F(MHz)	S12 IL	S23 ISO	S11 VSWR	S22 VSWR
10	-6.3	-32.8	1.05	1.11
100	-6.32	-42.6	1.03	1.04
200	-6.36	-44.1	1.03	1.03
300	-6.42	-50.4	1.05	1.04
400	-6.47	-46.6	1.07	1.06
500	-6.52	-39.5	1.09	1.06
550	-6.57	-31.3	1.04	1.11
600	-6.59	-35.1	1.05	1.1
650	-6.67	-33.5	1.02	1.13

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.
3	增加了盖子，长度由原来的18mm改为19.3mm。