

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	1	~	2700	MHz
IL		1	3.5	dB
Isolation	9	13		dB
Input VSWR		1.8	2.8	
Output VSWR		1.3	2.5	
Amplitude balance		0.8	2.5	dB
Phase balance		5	20	°

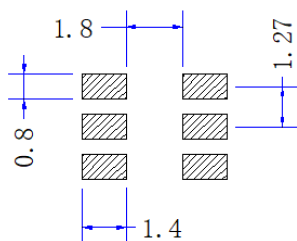
Other parameters

Power Capacity	1W
X-Way	2-way
Phase	0°
Impedance	50Ω
Connector	SMD
Operation Temp.	-40~+85°C Design assurance
Storage Temp.	-55~+100°C Design assurance
Quality Grade	Industrial grade

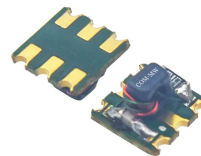
Port Definition

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

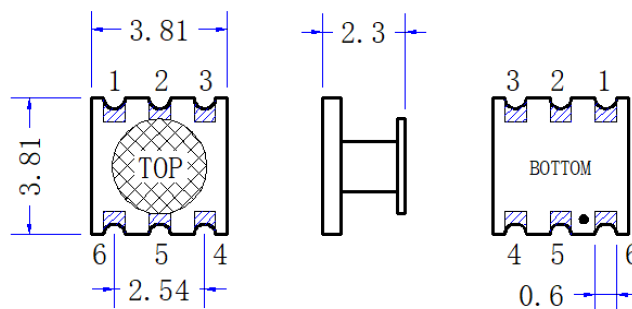
Suggested PCB Layout



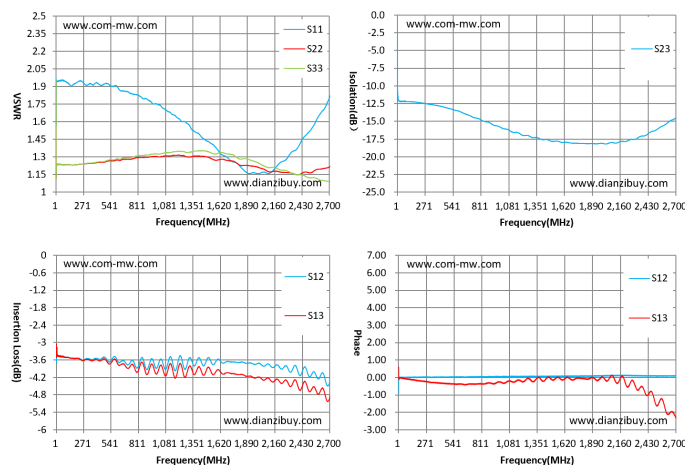
Reference picture



Configuration(mm)

Tolerance: $\pm 0.3\text{mm}$

Typical test curve



Note

- 1 Clean the surface of the product, do not soak the product in cleaning solution for cleaning.
- 2 The product supports 220 °C reflow soldering.
- 3 The above test results include IL and VSWR of the test fixture, and the actual product should be better.

Typical test data

F(MHz)	S12 IL	S23 ISO	S11 VSWR	S22 VSWR
1	-3.44	-10.5	1.85	1.19
400	-3.55	-12.8	1.93	1.25
600	-3.61	-13.6	1.9	1.27
1000	-4.04	-15.8	1.75	1.3
1500	-3.53	-17.8	1.43	1.31
1800	-3.69	-18.1	1.24	1.24
2200	-3.81	-17.8	1.23	1.17
2500	-4.15	-16.1	1.52	1.16
2700	-4.42	-14.8	1.79	1.21

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