

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	5	~	1000	MHz
IL		1.1	1.5	dB
Coupling	9.5	10	10.5	dB
Directivity	13	17		dB
Main line VSWR		1.2	1.3	
Coupled line VSWR		1.2	1.3	

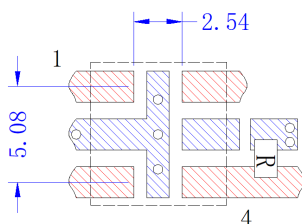
Other parameters

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

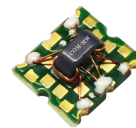
Port Definition

Input port	1
Output port	6
Coupling port	3
Isolated Port	4 (external 50 Ω load)

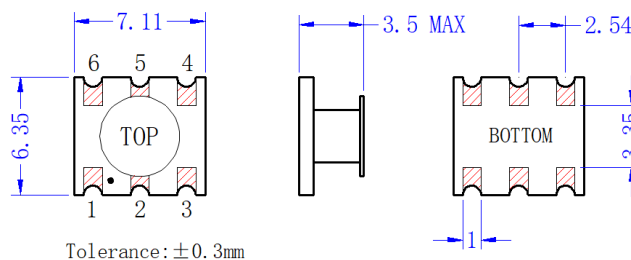
Suggested PCB Layout



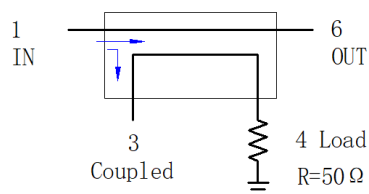
Reference picture



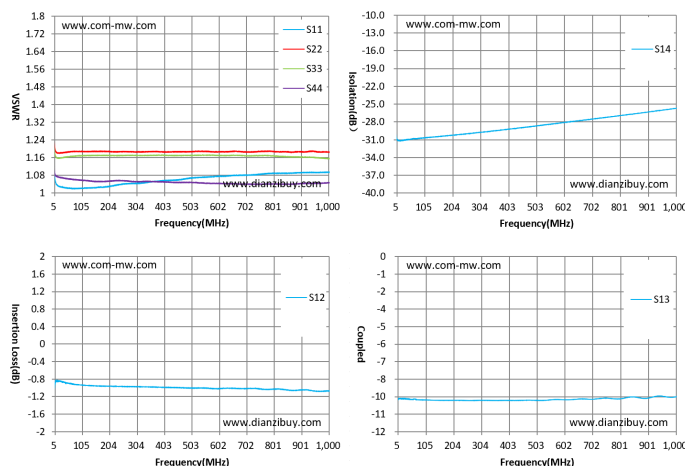
Configuration(mm)



Electrical Schematic



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)	S12 IL	S23 ISO	S11 VSWR	S33 VSWR	S13 C
5	-0.8 4	-31.1	1.04	1.16	-9.3 7
100	-0.9 4	-30.7	1.02	1.11	-9.8 1
200	-0.9 7	-30.1	1.03	1.17	-9.8 3
400	-0.9 9	-29.3	1.05	1.17	-9.9 3
600	-1.0 1	-28.1	1.07	1.17	-9.7 8
700	-1.0 2	-27.5	1.07	1.16	-9.7 6
800	-1.0 3	-27.1	1.09	1.17	-9.7 4
900	-1.0 4	-26.3	1.09	1.16	-9.6 6
1000	-1.0 7	-25.6	1.09	1.16	-9.5 7

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