

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	5	~	1000	MHz
IL		0.9	1.2	dB
Coupling	14	15	15.5	dB
Directivity	15	20		dB
Main line VSWR		1.2	1.3	
Coupled line VSWR		1.2	1.3	

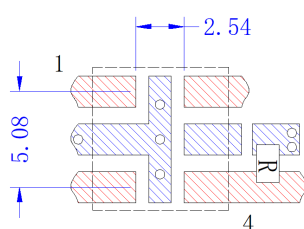
Other parameters

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

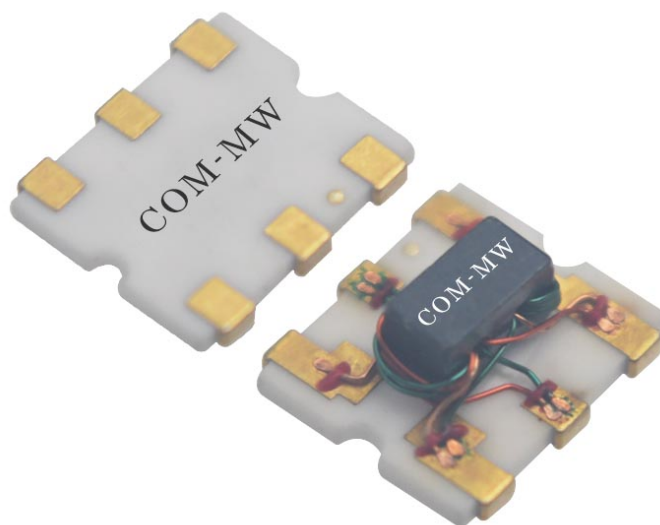
Port Definition

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

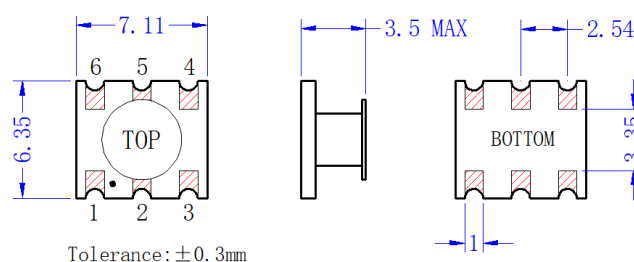
Suggested PCB Layout



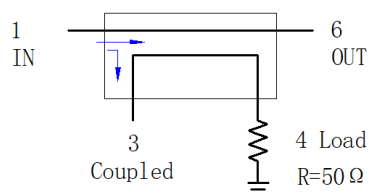
Reference picture



Configuration(mm)



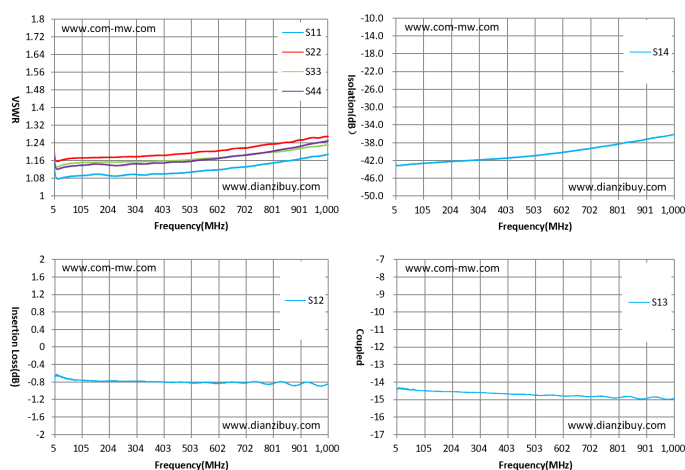
Electrical Schematic



Typical test data

F(MHz)	S12 IL	S23 ISO	S11 VSWR	S33 VSWR	S13 C
5	-0.6 4	-43.1	1.08	1.12	-14. 3
100	-0.7 6	-42.6	1.09	1.15	-14. 5
200	-0.7 7	-42.2	1.09	1.15	-14. 6
400	-0.8	-41.5	1.1	1.16	-14. 7
600	-0.8 3	-40.1	1.12	1.17	-14. 8
700	-0.8 1	-39.2	1.13	1.18	-14. 8
800	-0.8 3	-38.2	1.15	1.2	-14. 9
900	-0.8 3	-37.2	1.17	1.21	-14. 9
1000	-0.8 4	-36.1	1.19	1.23	-14. 9

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 260 °C reflow soldering.