

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	50	~	6000	MHz
IL		0.45	0.7	dB
Coupling	16.2 ± 1.5		41 ± 12	dB
Directivity	13	20		dB
Main line VSWR		1.5		
Coupled line VSWR		1.5		

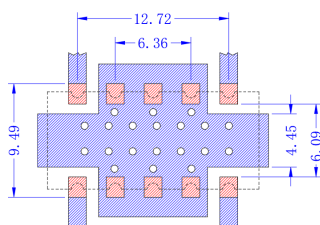
Other parameters

Connector	SMD
Impedance	50 Ω
Power Capacity	100W@1000MHz
Operation Temp.	-45~+85°C Design assurance
Storage Temp.	-55~+100°C Design assurance
Quality Grade	Industrial grade
Other	/

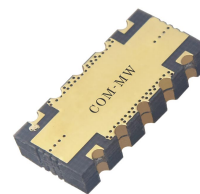
Port Definition

Input port	1&2&3&4	---
Output port	2&1&4&3	---
Coupling port	4&3&2&1	---
Isolated Port	3&4&1&2	---
GND	Other ports	---

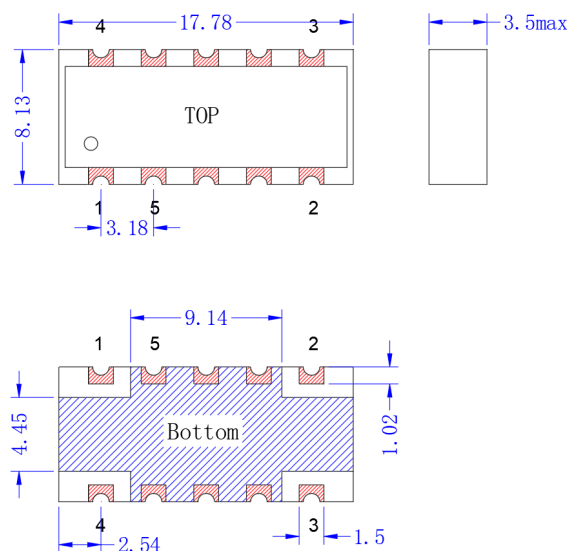
Suggested PCB Layout



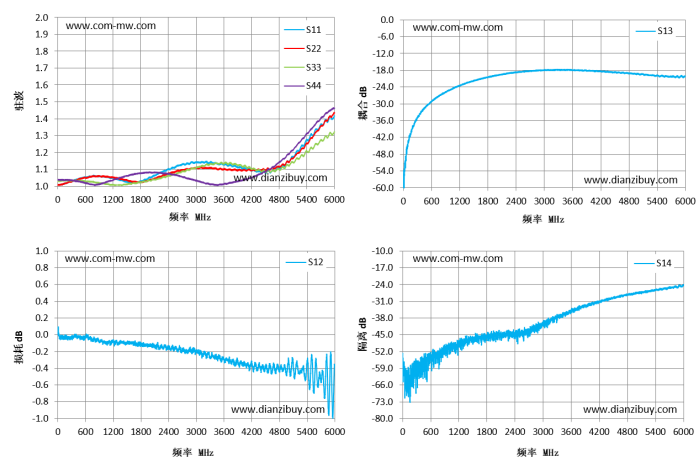
Reference picture



Configuration(mm)



Typical test curve



Note

- Clean the surface of the product, do not soak the product in cleaning solution for cleaning.
- The product supports 260 °C reflow soldering.

Typical test data

Frequency(MHz)	S11 VSW R	S33 VSW R	S12 IL dB	S13 coupl ing	S14 ISO dB
0.01	1.01	1.03	0.02	-56.53	-54.11
429	1.04	1.03	-0.01	-31.79	-57.61
857	1.06	1.02	-0.07	-26.3	-51.59
1286	1.04	1.01	-0.11	-22.93	-48.44
1714	1.02	1.02	-0.12	-20.84	-45.88
2143	1.07	1.04	-0.17	-19.37	-46.02
2571	1.12	1.07	-0.17	-18.43	-45.92
3000	1.14	1.11	-0.2	-17.9	-40.38
3429	1.14	1.14	-0.25	-18	-36.26
3857	1.12	1.13	-0.35	-18.06	-32.58
4286	1.09	1.1	-0.38	-18.44	-30.61
4714	1.09	1.09	-0.46	-19.04	-29.03
5143	1.18	1.15	-0.46	-19.68	-27.24
5571	1.32	1.24	-0.49	-20.17	-25.68
6000	1.42	1.32	-0.37	-19.99	-24.02

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