

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	4000	~	8000	MHz
IL			0.3	dB
Isolation	16	17		dB
VSWR		1.3	1.4	
Amplitude balance			± 0.6	dB
Phase balance			± 6	°

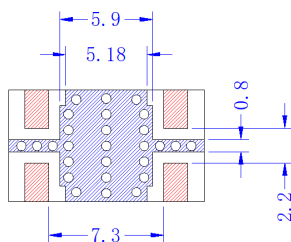
Other parameters

Power Capacity	75W
Phase	90° Hybrid
Impedance	50Ω
Connector	SMD
Operation Temp.	-45~+85°C Design assurance
Storage Temp.	-55~+100°C Design assurance
Quality Grade	Industrial grade
Other	Substitutes IPP-7039

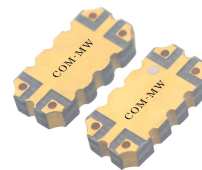
Port Definition

IN	1	2	3	4
ISO	2	1	4	3
0°	4	3	2	1
-90°	3	4	1	2

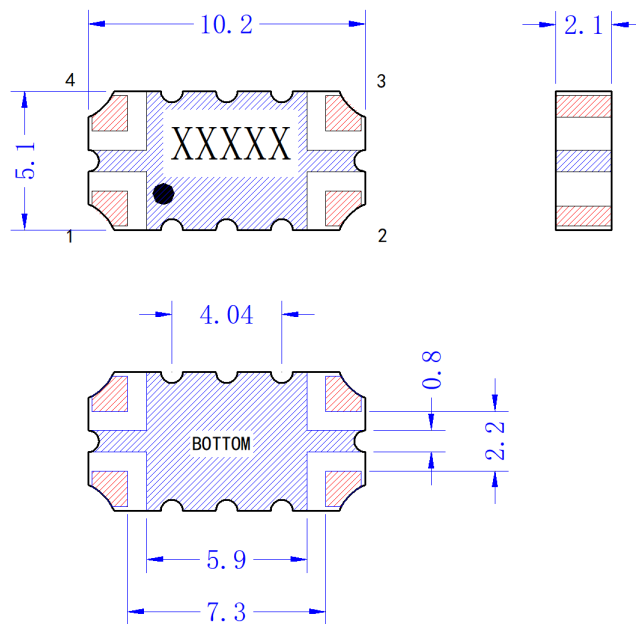
Suggested PCB Layout



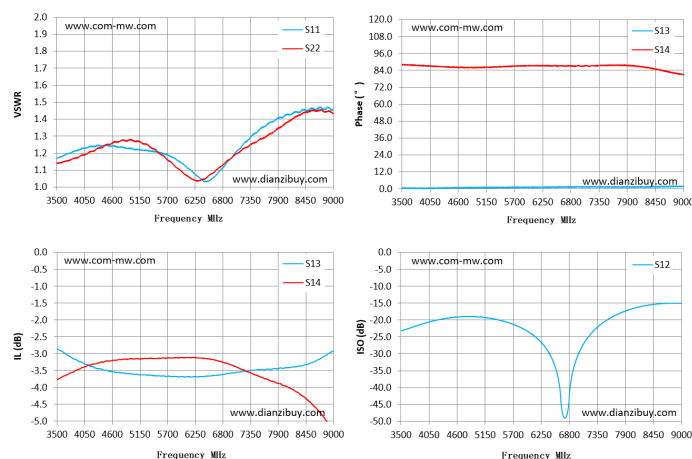
Reference picture



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	S13 IL dB	S14 IL dB	S14 Phase (°)	S12 ISO dB
3500	1.17	-2.8 6	-3.7 6	88.13	-23.1 4
3893	1.22	-3.1 8	-3.4 8	87.33	-21.2 5
4286	1.24	-3.4 3	-3.2 9	86.57	-19.7 4
4679	1.24	-3.5 5	-3.1 9	86.06	-19
5071	1.22	-3.6 1	-3.1 4	85.97	-19.1
5464	1.21	-3.6 5	-3.1 4	86.62	-20.1 4
6250	1.08	-3.6 8	-3.1 1	87.3	-26.6 2
6643	1.06	-3.6 4	-3.1 8	87.19	-45.3 6
7036	1.2	-3.5 6	-3.3 7	87.01	-28.2
7429	1.31	-3.4 9	-3.6 2	87.46	-21.1 2
7821	1.39	-3.4 4	-3.8 2	87.57	-17.7 5
8214	1.44	-3.3 9	-4.0 8	86.42	-15.9 2
8607	1.46	-3.2 5	-4.5 5	83.61	-15.1 1

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