

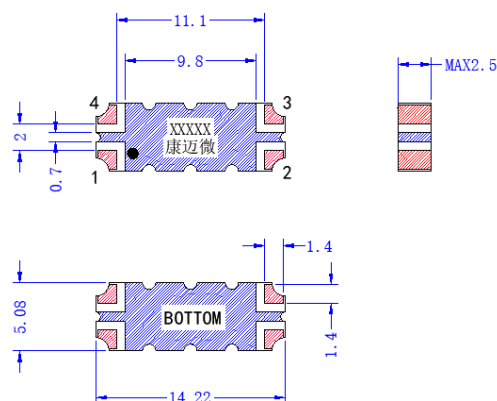
Main specifications

Parameters	Min	Typical	Max	Units
Frequency	3500	~	4500	MHz
IL			0.3	dB
Isolation	18	20		dB
VSWR		1.2	1.3	
Amplitude balance			±0.5	dB
Phase balance			±3	°

Reference picture



Configuration(mm)



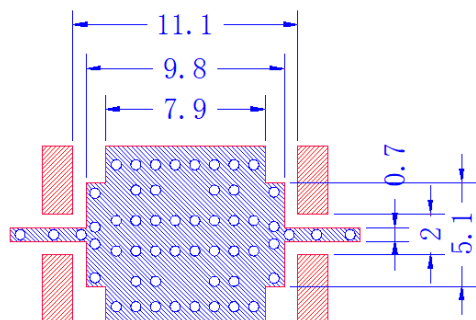
Other parameters

Power Capacity	200W
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

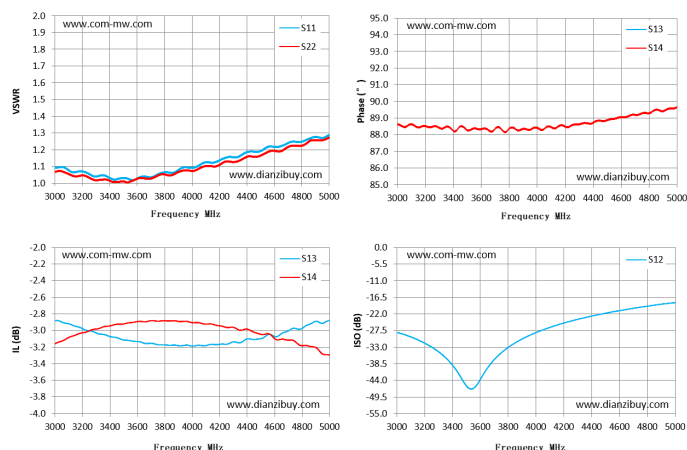
Port Definition

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

Suggested PCB Layout



Typical test curve



Typical test data

Frequency MHz	S11 VSWR	S13 IL (dB)	S14 IL dB	S14 Phase	S12 ISO
3000	1.09	-2.88	-3.16	88.62	-28.22
3143	1.06	-2.95	-3.06	88.45	-30.45
3286	1.04	-3.02	-2.99	88.47	-34.08
3429	1.02	-3.08	-2.93	88.32	-40.73
3571	1.02	-3.13	-2.9	88.35	-45.8
3714	1.04	-3.16	-2.88	88.45	-36.49
3857	1.06	-3.18	-2.88	88.27	-31.45
4000	1.09	-3.19	-2.91	88.41	-28.22
4143	1.12	-3.17	-2.92	88.45	-25.85
4286	1.16	-3.14	-2.96	88.62	-23.99
4429	1.19	-3.11	-3.01	88.83	-22.46
4571	1.22	-3.05	-3.05	89	-21.17
4714	1.24	-2.99	-3.12	89.19	-20.06
4857	1.27	-2.92	-3.19	89.5	-19.09
5000	1.29	-2.88	-3.3	89.64	-18.33

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.