

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	2000	~	6000	MHz
IL			0.25	dB
Isolation	17	20		dB
VSWR			1.3	
Amplitude balance			± 1.4	dB
Phase balance			± 5	°

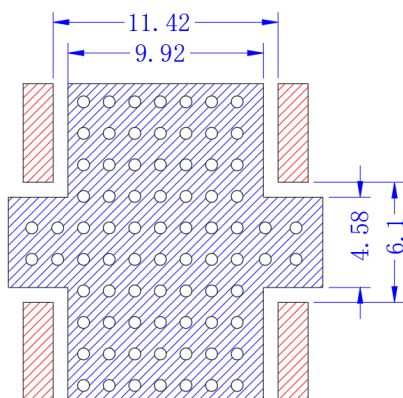
Other parameters

Power Capacity	250W Design assurance
Phase	90° Hybrid
Impedance	50Ω
Connector	SMD
Operation Temp.	-55~+85°C Design assurance
Storage Temp.	-55~+125°C Design assurance
Quality Grade	Industrial grade
Other	替代ipp-7111

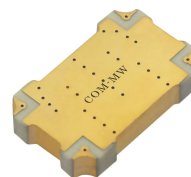
Port Definition

IN	1	2	3	4
ISO	2	1	4	3
-90°	4	3	2	1

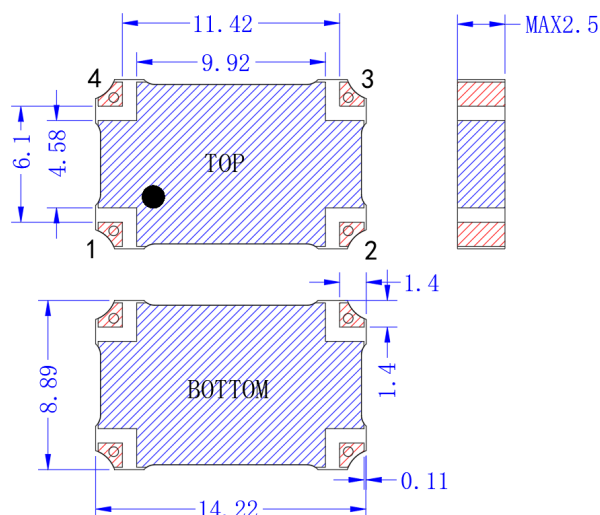
Suggested PCB Layout



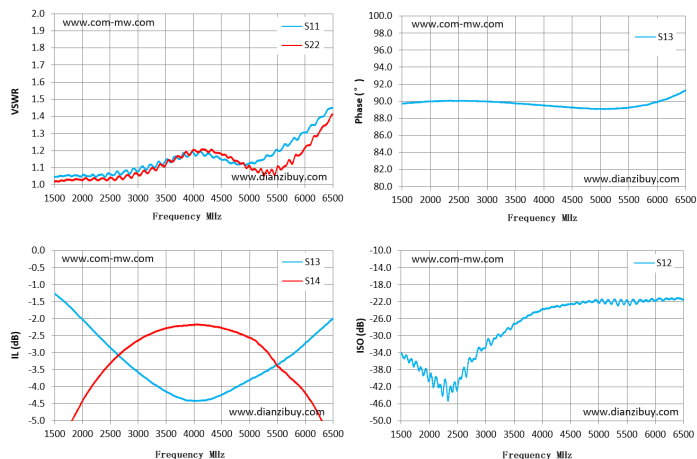
Reference picture



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 220 °C reflow soldering.

Typical test data

Frequency MHz	S11 VS WR	S22 VS WR	S1 3 IL dB	S1 4 IL dB	S13 Pha se (°)	S12 ISO dB
1500.00	1.05	1.02	-1. 27	-6. 27	89.7 3	-34. 11
1857.00	1.06	1.03	-1. 79	-4. 86	89.9 2	-37. 70
2214.00	1.05	1.04	-2. 39	-3. 88	90.0 0	-42. 52
2571.00	1.06	1.03	-2. 97	-3. 19	90.0 6	-39. 75
2929.00	1.10	1.06	-3. 49	-2. 71	90.0 1	-33. 41
3286.00	1.10	1.09	-3. 94	-2. 40	89.8 8	-29. 93
3643.00	1.16	1.14	-4. 27	-2. 23	89.6 7	-26. 12
4000.00	1.19	1.20	-4. 43	-2. 18	89.5 1	-23. 80
4357.00	1.16	1.20	-4. 34	-2. 24	89.3 3	-22. 79
4714.00	1.13	1.14	-4. 05	-2. 38	89.1 7	-22. 00
5071.00	1.13	1.09	-3. 75	-2. 62	89.0 8	-21. 64
5429.00	1.18	1.07	-3. 43	-3. 22	89.2 0	-22. 40
5786.00	1.27	1.13	-3. 04	-3. 82	89.5 4	-22. 02
6143.00	1.35	1.27	-2. 52	-4. 54	90.2 4	-21. 74
6500.00	1.45	1.41	-1. 99	-5. 77	91.3 0	-21. 50

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