

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	500	~	2000	MHz
IL		0.2	0.3	dB
Isolation	18	20		dB
VSWR		1.2	1.3	
Amplitude balance			± 1.4	dB
Phase balance			± 3	°

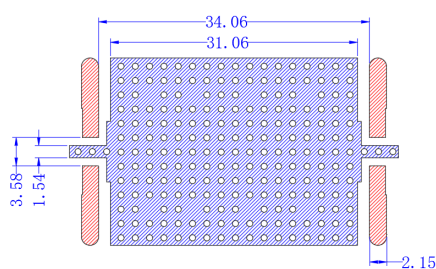
Other parameters

Power Capacity	500W
Phase	90° Hybrid
Impedance	50Ω
Connector	SMD
Operation Temp.	-45~+85°C Design assurance
Storage Temp.	-55~+105°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

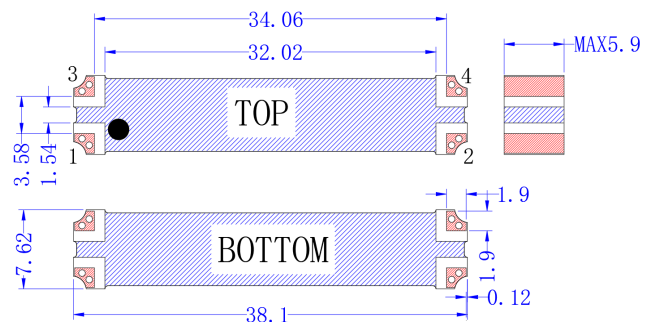


R04350B H=1.016mm T=0.07mm

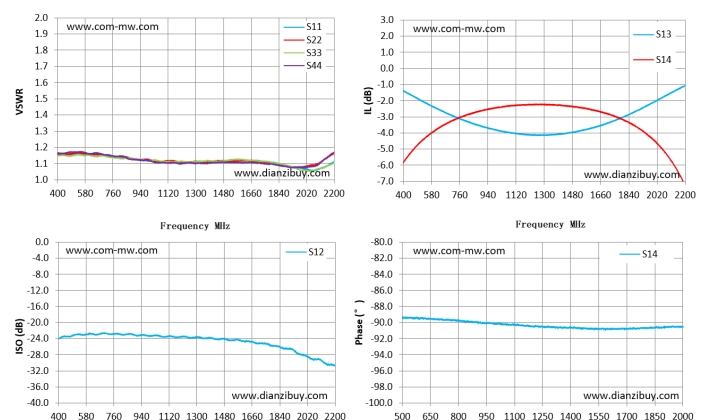
Reference picture



Configuration(mm)



Typical test curve



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

Typical test data

Frequency MHz	S11 VS WR	S22 VS WR	S12 ISO dB	S1 3 IL dB	S1 4 IL dB	S14 Pha se (°)
400.00	1.15	1.16	-23. 98	-1. 40	-5. 83	-89. 33
529.00	1.16	1.17	-22. 93	-2. 08	-4. 40	-89. 38
657.00	1.15	1.16	-22. 97	-2. 68	-3. 50	-89. 55
786.00	1.14	1.14	-22. 81	-3. 22	-2. 96	-89. 74
914.00	1.12	1.13	-23. 27	-3. 62	-2. 59	-89. 98
1043.00	1.11	1.11	-23. 24	-3. 93	-2. 37	-90. 21
1171.00	1.11	1.11	-23. 68	-4. 10	-2. 26	-90. 38
1300.00	1.11	1.11	-23. 70	-4. 13	-2. 25	-90. 57
1429.00	1.11	1.12	-24. 14	-4. 04	-2. 32	-90. 70
1557.00	1.12	1.12	-24. 20	-3. 81	-2. 47	-90. 75
1686.00	1.12	1.11	-25. 21	-3. 46	-2. 77	-90. 74
1814.00	1.10	1.10	-25. 85	-2. 98	-3. 23	-90. 73
1943.00	1.08	1.08	-27. 21	-2. 38	-3. 98	-90. 48
2071.00	1.06	1.09	-29. 27	-1. 72	-5. 20	-90. 55
2200.00	1.11	1.17	-30. 68	-1. 07	-7. 26	-90. 90

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.

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