

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	220	~	705	MHz
IL		0.25	0.3	dB
Isolation	20	22		dB
VSWR		1.2	1.3	
Amplitude balance			± 1.1	dB
Phase balance			± 3	°

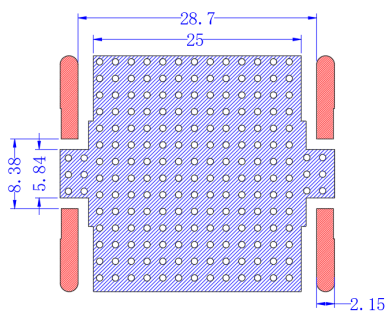
Other parameters

Power Capacity	200W Design assurance
Phase	90° Hybrid
Impedance	50 Ω
Connector	SMD
Operation Temp.	-45~+85°C Design assurance
Storage Temp.	-55~+85°C Design assurance
Quality Grade	Industrial grade

Port Definition

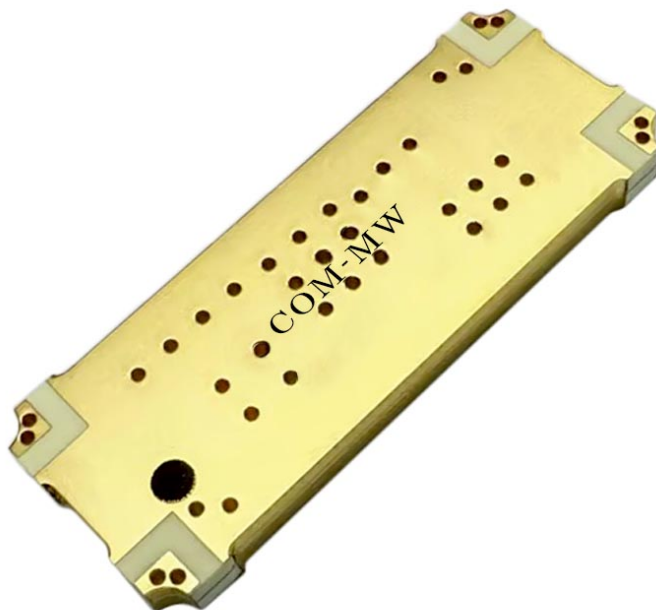
IN	1	2	3	4
ISO	2	1	4	3
0°	3	4	1	2
-90°	4	3	2	1

Suggested PCB Layout

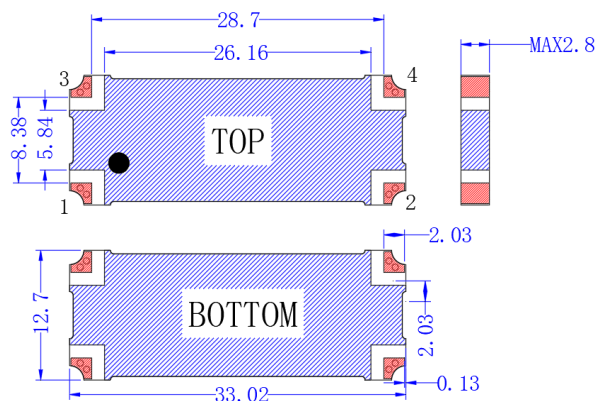


R04350B H=1.016mm T=0.07mm

Reference picture

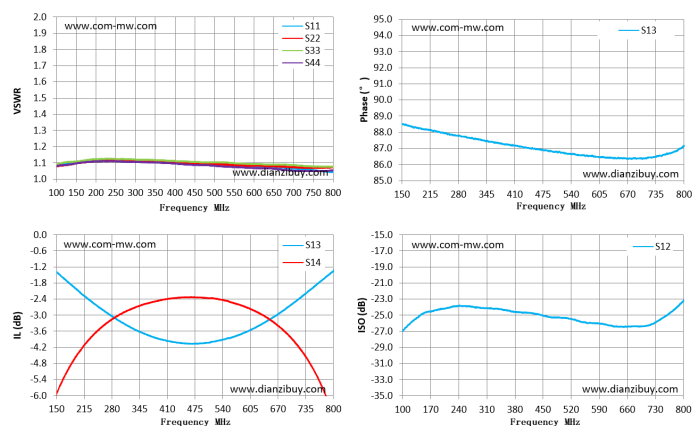


Configuration(mm)



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

Typical test curve



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
100.00	1.08	1.08	-0.77	-8.60	88.88	-26.99
150.00	1.11	1.10	-1.39	-5.93	88.48	-24.82
200.00	1.12	1.11	-2.07	-4.44	88.18	-24.21
250.00	1.12	1.11	-2.72	-3.53	87.92	-23.87
300.00	1.12	1.11	-3.24	-2.96	87.67	-24.10
350.00	1.11	1.11	-3.65	-2.61	87.39	-24.33
400.00	1.11	1.10	-3.92	-2.43	87.20	-24.71
450.00	1.10	1.10	-4.05	-2.34	87.02	-25.07
500.00	1.10	1.09	-4.03	-2.36	86.77	-25.32
550.00	1.09	1.09	-3.87	-2.47	86.64	-25.86
600.00	1.08	1.08	-3.59	-2.73	86.46	-26.09
650.00	1.08	1.08	-3.16	-3.16	86.41	-26.47
700.00	1.07	1.07	-2.62	-3.84	86.39	-26.37
750.00	1.05	1.07	-2.00	-4.95	86.57	-25.28
800.00	1.04	1.07	-1.35	-6.78	87.16	-23.23

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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