

Product features

1	Low loss.
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Main specifications

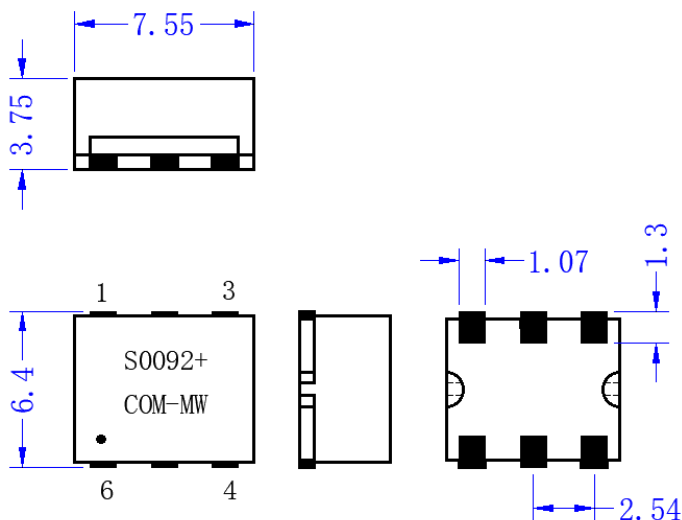
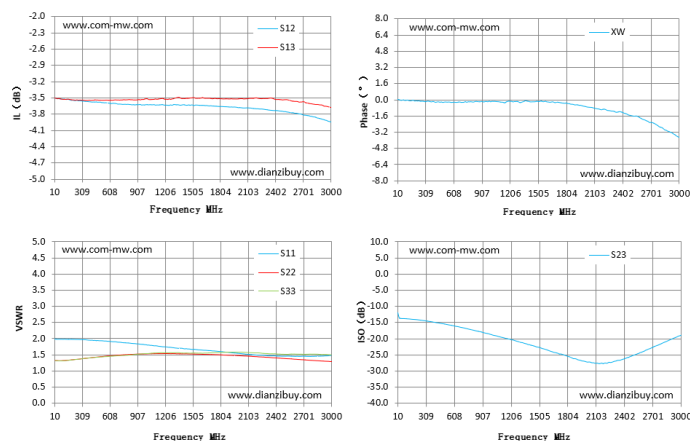
Parameters	Min	Typical	Max	Units
Frequency	10	~	3000	MHz
IL		1	1.6	dB
Isolation	10	16.5		dB
Input VSWR		1.8	2.2	
Output VSWR		1.6	1.8	
Amplitude balance		0.4	1	dB
Phase balance		3	10	°

Other parameters

Power Capacity	1W Design assurance
X-Way	2-way
Phase	0°
Impedance	50Ω
Connector	SMD
Operation Temp.	-45~+85°C Design assurance
Storage Temp.	-55~+85°C Design assurance
Quality Grade	Industrial grade
Substitutes model	RPS-2-30+
ROHS	Compliant Available

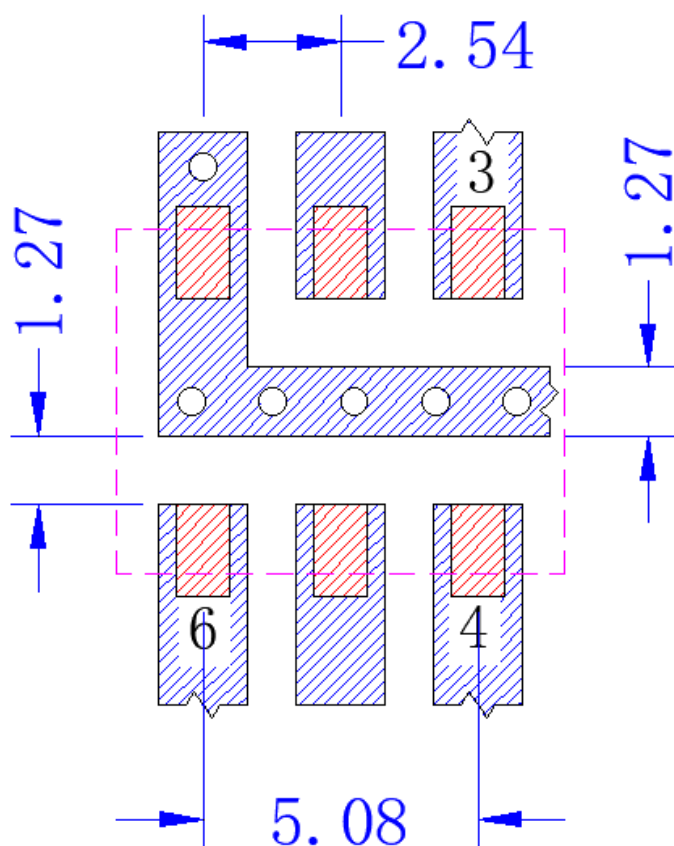
Port Definition

Common port	6
Dispatch Port	4, 3
GND	1, 2, 5

Reference picture**Configuration(mm)**Tolerance: $\pm 0.3\text{mm}$ **Typical test curve****Note**

- Short term soaking and cleaning, please dry in a timely manner.
- The product supports 260 °C reflow soldering.

Suggested PCB Layout



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

Typical test data

Frequency MHz	S1 2 IL dB	S1 3 IL dB	S1 1 VS WR	S2 2 VS WR	S3 3 VS WR	X W PU °	S2 3 IS O dB
10.00	-3. 50	-3. 51	1.9 9	1.3 1	1.3 1	0.0 3	-12 .10
224.00	-3. 55	-3. 54	1.9 8	1.3 4	1.3 4	-0. 13	-14 .23
437.00	-3. 58	-3. 55	1.9 5	1.4 1	1.4 1	-0. 21	-15 .17
651.00	-3. 60	-3. 55	1.9 1	1.4 6	1.4 5	-0. 26	-16 .31
864.00	-3. 63	-3. 54	1.8 5	1.5 0	1.5 0	-0. 21	-17 .81
1078.00	-3. 63	-3. 53	1.7 9	1.5 2	1.5 4	-0. 19	-19 .37
1291.00	-3. 64	-3. 53	1.7 3	1.5 2	1.5 5	-0. 17	-20 .92
1505.00	-3. 63	-3. 50	1.6 7	1.5 1	1.5 4	-0. 19	-22 .74
1719.00	-3. 65	-3. 52	1.6 3	1.5 0	1.5 5	-0. 24	-24 .77
1932.00	-3. 67	-3. 52	1.5 7	1.4 7	1.5 7	-0. 50	-26 .60
2146.00	-3. 69	-3. 51	1.5 1	1.4 4	1.5 5	-0. 90	-27 .73
2359.00	-3. 73	-3. 51	1.4 7	1.4 0	1.5 2	-1. 20	-26 .65
2573.00	-3. 78	-3. 56	1.4 6	1.3 6	1.5 1	-1. 66	-24 .33
2786.00	-3. 84	-3. 61	1.4 5	1.3 2	1.5 1	-2. 55	-21 .78
3000.00	-3. 95	-3. 68	1.4 8	1.2 8	1.4 9	-3. 69	-18 .95

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