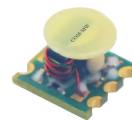


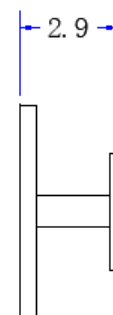
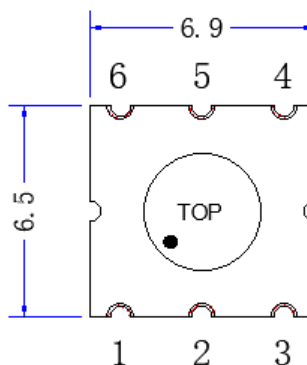
Main specifications

Parameters	Min	Typical	Max	Units
Frequency	2	~	2500	MHz
IL			1.8	dB@2~2000MHz
IL			2.5	dB@2~2.5GHz
Isolation	20			dB@2~2000MHz
Isolation	15			dB@2~2.5GHz
Input VSWR			1.5	
Output VSWR			1.6	
Amplitude balance			0.5	dB
Phase balance			5	°

Reference picture

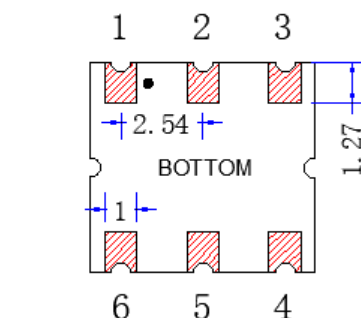


Configuration(mm)

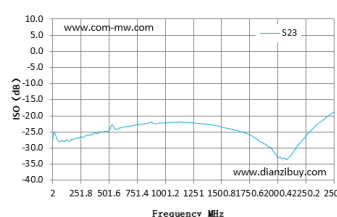
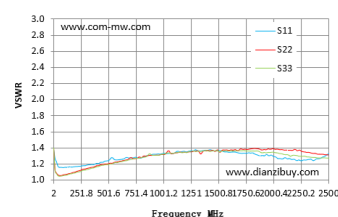
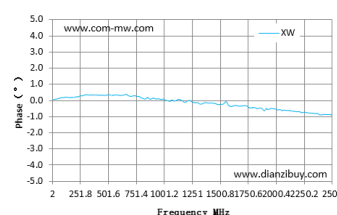
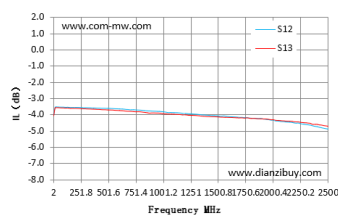
Tolerance: $\pm 0.3\text{mm}$

Other parameters

Power Capacity	2W
X-Way	2-way
Phase	0°
Impedance	50Ω
Connector	SMD
Operation Temp.	-40~+85°C Design assurance
Storage Temp.	-55~+100°C Design assurance
Quality Grade	Industrial grade
Other	/



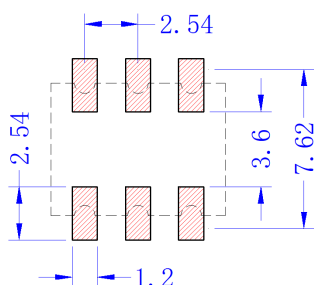
Typical test curve



Port Definition

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

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 SW R	S2 2 SW R	S3 3 SW R	P U °	S2 3 IS O dB
2.00	-4. 04	-4. 05	1.3 8	1.4 0	1.4 0	0. 0 3	-27 .52
180.00	-3. 57	-3. 59	1.1 6	1.0 9	1.0 9	0. 1 8	-27 .27
359.00	-3. 60	-3. 64	1.1 9	1.1 6	1.1 5	0. 3 3	-25 .81
537.00	-3. 63	-3. 70	1.2 8	1.2 1	1.2 0	0. 2 9	-22 .89
716.00	-3. 71	-3. 79	1.2 7	1.2 7	1.2 6	0. 2 5	-23 .09
894.00	-3. 79	-3. 88	1.3 1	1.3 1	1.3 1	0. 0 9	-22 .22
1073.00	-3. 87	-3. 95	1.3 3	1.3 3	1.3 3	0. 0 1	-22 .04
1251.00	-3. 96	-4. 03	1.3 6	1.3 5	1.3 5	-0 .1 1	-22 .30
1429.00	-4. 06	-4. 11	1.3 8	1.3 7	1.3 6	-0 .1 7	-22 .89
1608.00	-4. 13	-4. 16	1.3 4	1.3 7	1.3 6	-0 .3 9	-24 .29
1786.00	-4. 21	-4. 20	1.3 4	1.3 8	1.3 6	-0 .4 6	-26 .40
1965.00	-4. 32	-4. 28	1.3 0	1.3 8	1.3 4	-0 .4 9	-31 .27
2143.00	-4. 47	-4. 39	1.2 7	1.3 7	1.3 1	-0 .6 5	-31 .26
2322.00	-4. 63	-4. 51	1.2 5	1.3 5	1.2 9	-0 .7 7	-23 .99

Note

1	Clean the surface of the product, do not soak the product in cleaning solution for cleaning.
2	The product supports reflow soldering at 240 °C.

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

COM-MW TECHNOLOGY

2~2500MHz, 2W, 2way, 0°, SMD, /

Frequency MHz	S1 2 IL dB	S1 3 IL dB	S1 1 SW R	S2 2 SW R	S3 3 SW R	P U °	S2 3 IS O dB
2500.00	-4. 89	-4. 71	1.3 3	1.3 1	1.2 8	-0 .9 0	-18 .75

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