

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	600	~	1800	MHz
IL			0.4	dB
Isolation	18	20		dB
VSWR		1.2	1.3	
Amplitude balance			± 0.95	dB
Phase balance			± 4	°

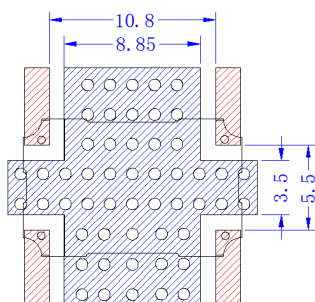
Other parameters

Power Capacity	200W
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

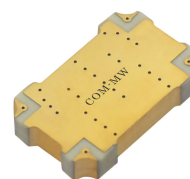
Port Definition

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

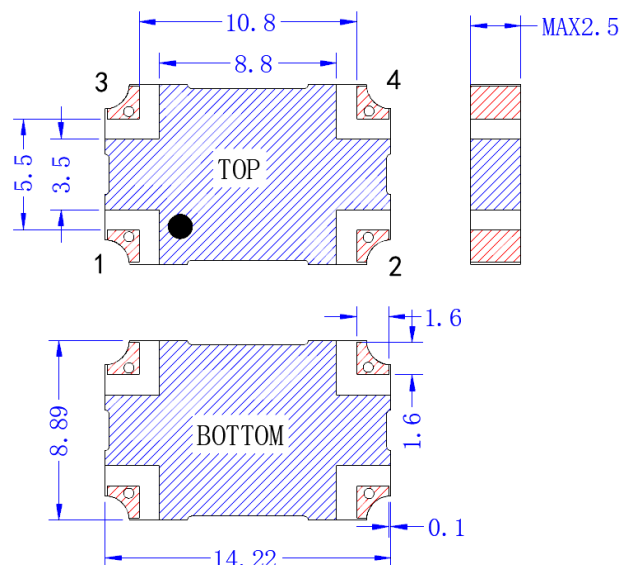
Suggested PCB Layout



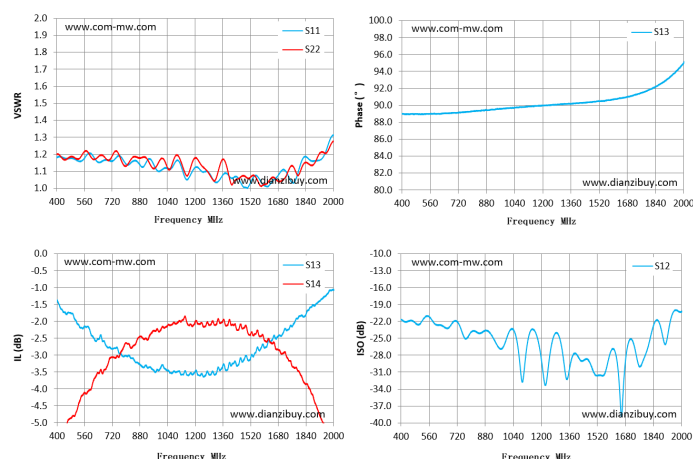
Reference picture



Configuration(mm)



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
400.00	1.18	1.20	-1.37	-5.88	88.97	-21.62
514.00	1.17	1.17	-2.04	-4.65	88.95	-22.22
629.00	1.16	1.18	-2.57	-3.58	89.03	-22.70
743.00	1.18	1.22	-2.78	-3.05	89.20	-23.47
857.00	1.16	1.19	-3.22	-2.64	89.40	-24.05
971.00	1.12	1.12	-3.50	-2.28	89.62	-26.88
1086.00	1.15	1.19	-3.51	-2.07	89.79	-31.96
1200.00	1.12	1.18	-3.47	-2.01	89.98	-28.69
1314.00	1.04	1.04	-3.58	-2.11	90.14	-26.22
1429.00	1.07	1.04	-3.18	-2.08	90.28	-29.03
1543.00	1.07	1.07	-2.95	-2.38	90.49	-31.63
1657.00	1.05	1.06	-2.42	-2.64	90.91	-38.85
1771.00	1.03	1.12	-2.06	-3.36	91.55	-29.70
1886.00	1.16	1.14	-1.53	-4.31	92.73	-23.70
2000.00	1.31	1.28	-1.07	-5.79	94.99	-20.29

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.