

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	1500	~	2500	MHz
IL			1.3	dB
Coupling	7	8	9	dB
Directivity	15			dB
Main line VSWR			1.2	
Coupled line VSWR			1.25	

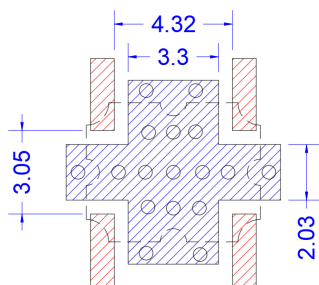
Other parameters

Connector	SMD
Impedance	50Ω
Surface	Immersion Gold
Power Capacity	50W Design assurance
Operation Temp.	-40~+85°C Design assurance
Storage Temp.	-55~+125°C Design assurance
Quality Grade	Industrial grade

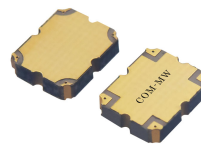
Port Definition

Input port	2	1
Output port	1	2
Coupling port	3	4
Isolated Port	4	3
GND	Bottom GND	Bottom GND

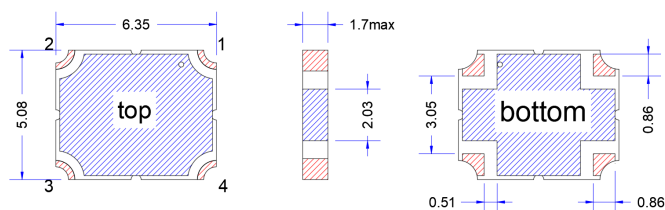
Suggested PCB Layout



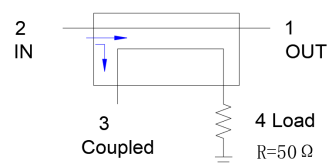
Reference picture



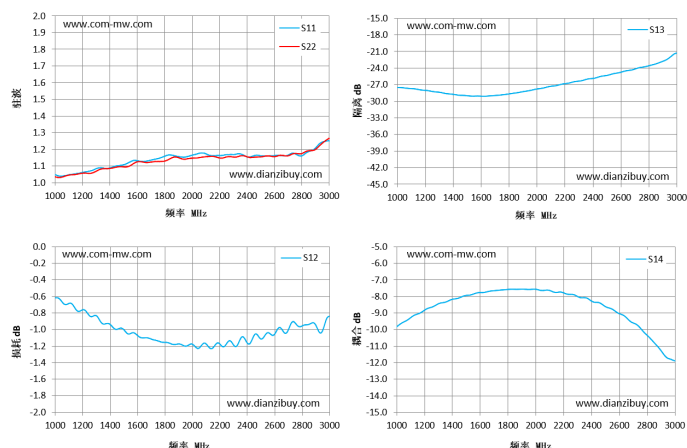
Configuration(mm)



Electrical Schematic



Typical test curve



Typical test data

Frequency(MHz)	S11 VSW R	S22 VSW R	S12 IL dB	S13 ISO dB	S14 coupl ing
1000	1.05	1.03	-0.6 2	-27.4 8	-9.83
1143	1.05	1.05	-0.7 4	-27.8 1	-9.08
1286	1.08	1.06	-0.8 3	-28.3 1	-8.51
1429	1.1	1.09	-0.9 9	-28.8 4	-8.14
1571	1.13	1.11	-1.0 4	-29.0 4	-7.8
1714	1.14	1.12	-1.1 3	-28.9 2	-7.64
1857	1.16	1.15	-1.1 8	-28.4 4	-7.57
2000	1.16	1.15	-1.1 8	-27.7 6	-7.57
2143	1.16	1.16	-1.2 3	-27.1 3	-7.76
2286	1.17	1.16	-1.1 5	-26.3 7	-7.94
2429	1.16	1.15	-1.1 5	-25.6 9	-8.36
2571	1.16	1.16	-1.0 6	-24.8 9	-8.89
2714	1.17	1.16	-0.9 6	-24.0 5	-9.65
2857	1.19	1.19	-0.9 4	-23.1 7	-10.85
3000	1.25	1.26	-0.8 4	-21.2 5	-11.9

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.