

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	30	~	2000	MHz
IL			1.6	dB
Coupling	18.5	20	21.5	dB
Directivity	8			dB
Main line VSWR		1.5		
Coupled line VS WR		1.5		

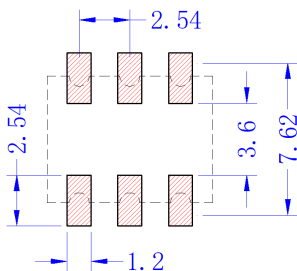
Other parameters

Connector	SMD
Impedance	50Ω
Power Capacity	2W Design assurance
Operation Temp	-40~+85°C Design assurance
Quality Grade	Industrial grade

Port Definition

Input port	1	6
Output port	6	1
Coupling port	3	4
Isolated Port	4	3
GND	2, 5	2, 5

Suggested PCB Layout



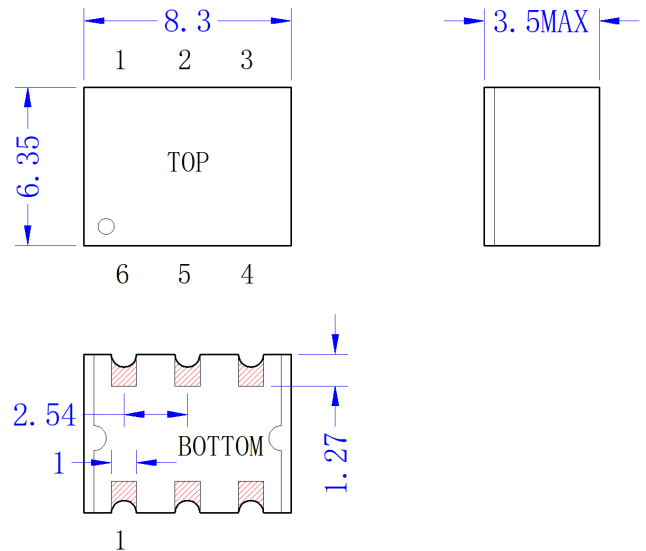
Typical test data

Frequency MHz	S11 VSWR	S22 VSWR	S12 IL (dB)	S12 Coupling	S12 ISO
30	1.21	1.2	-0.38	-20.41	-38.66
206	1.05	1.04	-0.29	-20.45	-40.31
383	1.04	1.04	-0.3	-20.64	-39.4
559	1.04	1.05	-0.33	-20.86	-38.03
736	1.05	1.06	-0.38	-21.16	-36.73
912	1.06	1.08	-0.44	-21.15	-35.94
1089	1.06	1.09	-0.49	-21	-35.12
1265	1.08	1.1	-0.56	-20.72	-34.56
1441	1.09	1.09	-0.62	-20.26	-34.14
1618	1.12	1.1	-0.7	-19.82	-34.07
1794	1.15	1.14	-0.79	-19.4	-34.18
1971	1.17	1.16	-0.9	-19.07	-34.95
2147	1.19	1.18	-1.01	-18.84	-35.51
2324	1.24	1.23	-1.12	-18.65	-36.73
2500	1.29	1.27	-1.27	-18.48	-39.22

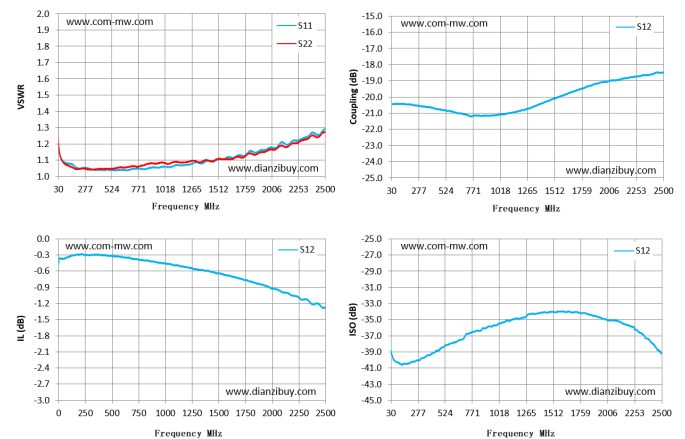
Reference picture



Configuration(mm)



Typical test curve



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.