

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	800	~	3000	MHz
IL		0.2	0.3	dB
Coupling	25	26	27.2	dB
Directivity	21	28		dB
Main line VSWR		1.1		
Coupled line VS WR		1.2		

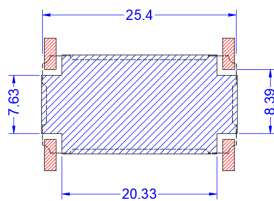
Other parameters

Connector	SMD
Impedance	50Ω
Power Capacity	150W
Operation Temp	-40~+85°C Design assurance
Storage Temp.	-55~+100°C Design assurance
Quality Grade	Industrial grade
Other	/

Port Definition

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

Suggested PCB Layout



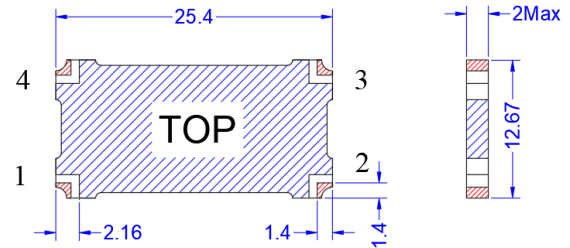
Typical test data

Frequency MHz	S11 VSWR	S22 VSWR	S12 IL (dB)	S12 Coupling	S12 ISO
700	1.15	1.14	-0.15	-27.8	-43.55
879	1.17	1.15	-0.17	-26.84	-43.93
1057	1.17	1.16	-0.18	-26.3	-44.57
1236	1.16	1.15	-0.19	-26.1	-43.77
1414	1.14	1.13	-0.17	-26.07	-41.3
1593	1.12	1.11	-0.18	-26.2	-38.93
1771	1.1	1.09	-0.18	-26.27	-37.29
1950	1.09	1.08	-0.19	-26.2	-36.55
2129	1.11	1.1	-0.2	-25.98	-36.76
2307	1.13	1.11	-0.21	-25.74	-37.01
2486	1.14	1.13	-0.22	-25.78	-37.13
2664	1.14	1.12	-0.21	-26.01	-36.46
2843	1.14	1.13	-0.21	-26.41	-35.3
3021	1.13	1.13	-0.21	-26.68	-34.13
3200	1.15	1.14	-0.25	-26.97	-33.09

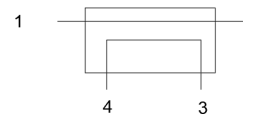
Reference picture



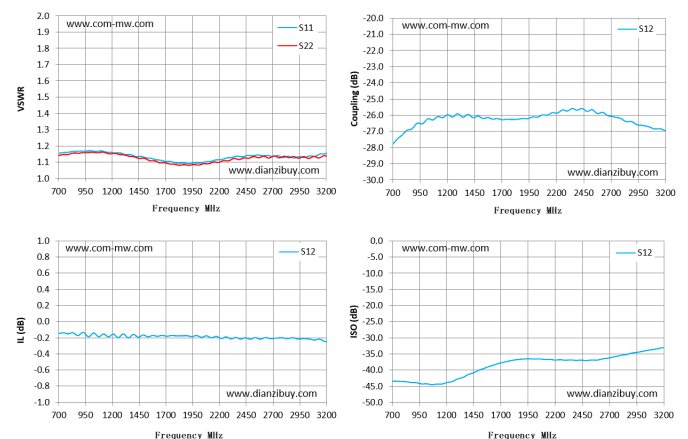
Configuration(mm)


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

Electrical Schematic



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 220 °C reflow soldering.

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