

Product features

Broadband, built-in load.

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	50	~	2000	MHz
IL		1.2		dB
Coupling	16	17	18	dB
Directivity	6	10		dB
Main line VSWR		1.3		
Coupled line VS WR		1.3		

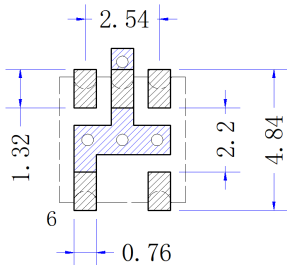
Other parameters

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

Port Definition

Input port	3
Output port	4
Coupling port	1
GND	2, 6

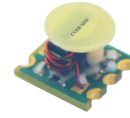
Suggested PCB Layout



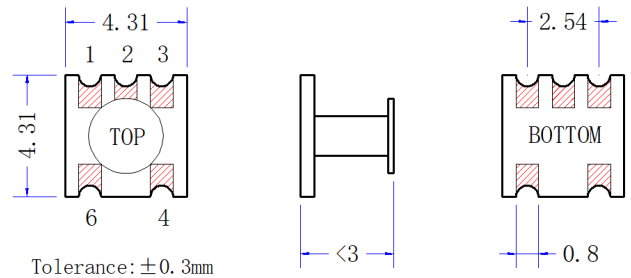
Typical test data

Frequency(MHz)	S11 VSWR	S22 VSWR	S13 couplin g	S12 IL dB	S23 ISO dB
20	1.09	1.15	-16.39	-0.66	-34.69
176	1.07	1.11	-16.37	-0.63	-37.38
487	1.08	1.08	-16.55	-0.68	-28.88
643	1.08	1.05	-16.72	-0.76	-26.66
954	1.09	1.06	-16.77	-0.72	-23.6
1110	1.09	1.09	-16.9	-0.79	-23.9
1421	1.11	1.15	-16.82	-0.92	-24.92
1577	1.14	1.17	-16.88	-0.98	-26.41
1889	1.17	1.2	-16.67	-1.1	-28
2044	1.19	1.23	-16.42	-1.24	-27.15

Reference picture

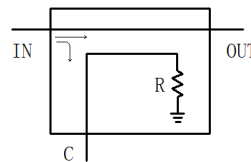


Configuration(mm)

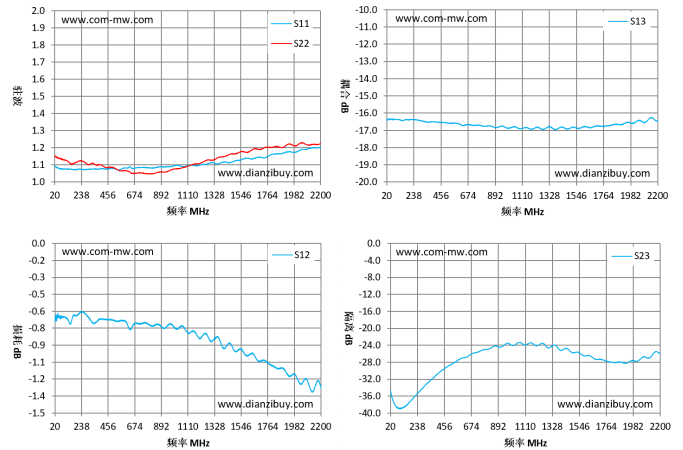


Tolerance: ±0.3mm

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 260 °C reflow soldering.