

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	100	~	200	MHz
IL			0.6	dB
Isolation	18			dB
VSWR			1.3	
Amplitude balance			1	dB
Phase balance			± 2	°

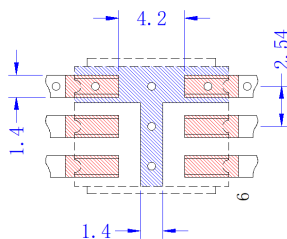
Other parameters

Power Capacity	2W Design assurance
Phase	90° Hybrid
Impedance	50Ω
Connector	SMD
Operation Temp.	-40~+85°C Design assurance
Storage Temp.	-55~+100°C Design assurance

Port Definition

IN	6	---	---	---
ISO	5	---	---	---
0°	1	---	---	---
-90°	2	---	---	---
GND	3, 4	---	---	---

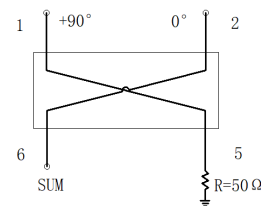
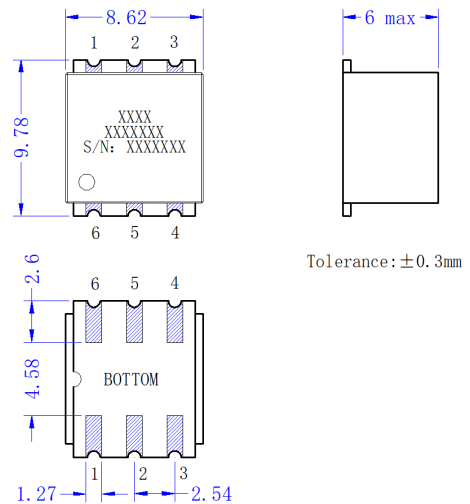
Suggested PCB Layout



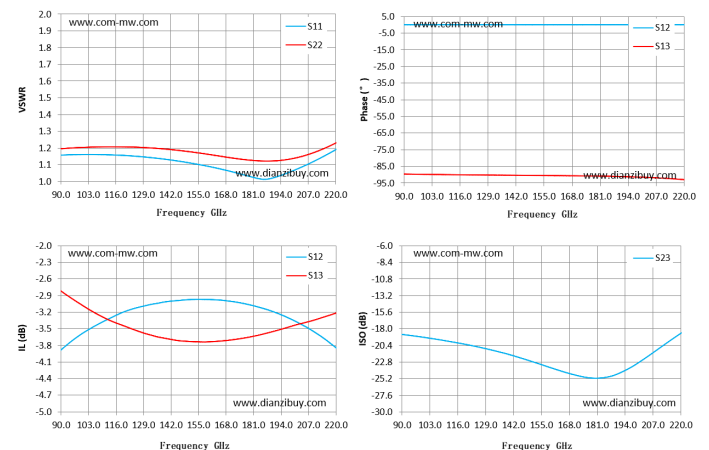
Reference picture



Configuration(mm)



Typical test curve



Note

- Clean the surface of the product, do not soak the product in cleaning solution for cleaning.
- The product supports 260 °C reflow soldering.

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

Typical test data

Frequency GHz	S11 VSW R	S12 IL (dB)	S13 IL (dB)	S13 Phase (°)	S23 ISO dB
90	1.16	-3.88	-2.82	-89.64	-18.82
99.29	1.16	-3.6	-3.06	-89.81	-19.19
117.86	1.16	-3.23	-3.42	-90.1	-20.14
127.14	1.15	-3.11	-3.55	-90.22	-20.74
145.71	1.12	-2.99	-3.72	-90.4	-22.25
155	1.1	-2.97	-3.74	-90.48	-23.18
173.57	1.05	-3.02	-3.69	-90.72	-24.89
192.14	1.03	-3.22	-3.53	-91.17	-24.29
210.71	1.13	-3.58	-3.33	-92.16	-20.64
220	1.19	-3.84	-3.22	-92.99	-18.64

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