

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	30	~	90	MHz
IL		0.6		dB
Isolation	20			dB
VSWR			1.35	
Amplitude balance			1	dB
Phase balance			± 3	°

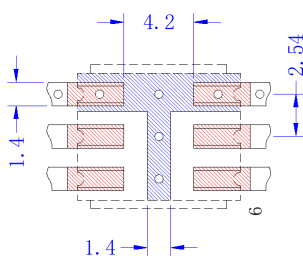
Other parameters

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

Port Definition

IN	6	--	--	--
ISO	5 (connected to a 50 Ω load)	--	--	--
0°	1	--	--	--
-90°	2	--	--	--
GND	3, 4	--	--	--

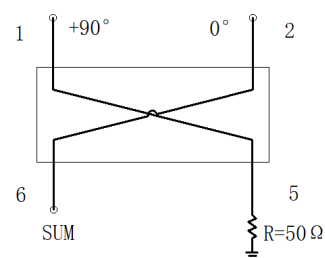
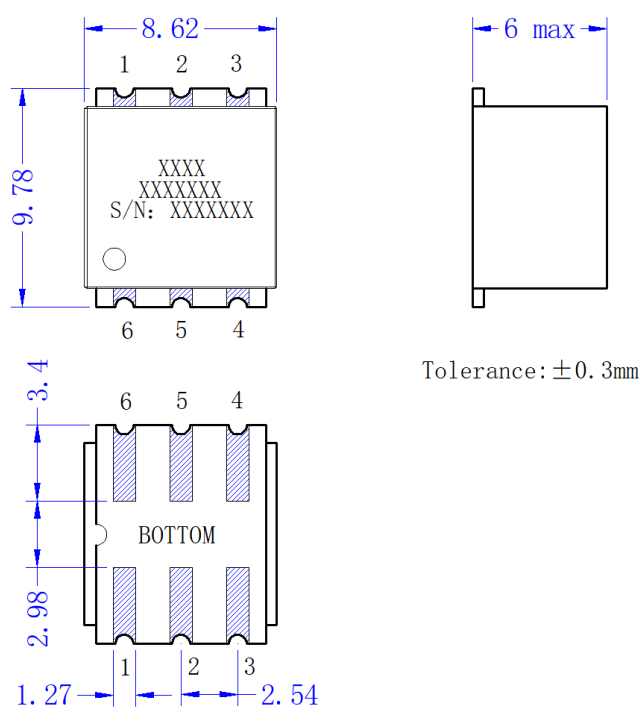
Suggested PCB Layout



Reference picture



Configuration(mm)

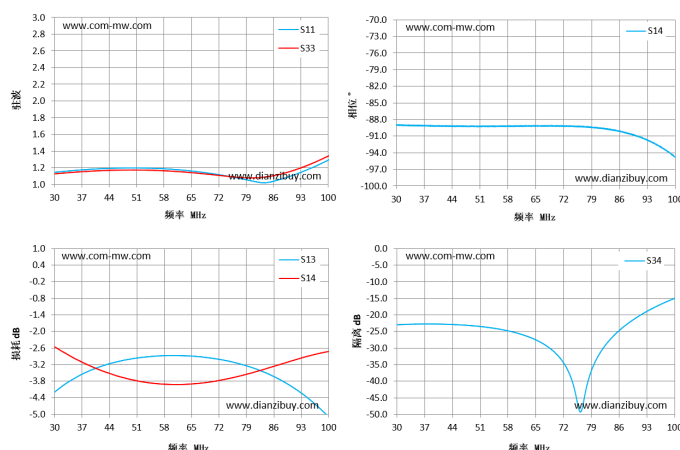


Note: The specifications and performance data contained in this data sheet are based on tests established by CMW.

Typical test data

Frequency(MHz)	S11 VSW R	S13 IL dB	S14 IL dB	S14 Phase (°)	S34 ISO dB
30	1.14	-4.2	-2.5	-89	-22.9
35	1.16	-3.7	-2.9	-89.14	-22.7
45	1.19	-3.1	-3.5	-89.24	-22.9
50	1.2	-2.9	-3.7	-89.24	-23.3
60	1.18	-2.8	-3.9	-89.2	-25.3
65	1.16	-2.8	-3.9	-89.19	-27.5
75	1.09	-3.0	-3.7	-89.27	-43.9
80	1.04	-3.2	-3.5	-89.48	-33.9
90	1.09	-3.9	-3.1	-90.9	-21.0

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.