

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	1	~	40	GHz
IL		7.5	8.5	dB
Isolation	40			dB
VSWR		2.2		
Phase consistency between channels			± 10	°
Flatness in band			± 3.5	dB

Other parameters

Switch way	SP8T
Switching characteristic	Electronic reflection type
Switch time	700ns
Connector	2.92-F Detachable, Pin 0.3mm
Connector material	Stainless steel
Impedance	50Ω
Surface	Conductive oxidation
Power Capacity	0.2W
Working voltage	+220V
Operation Temp.	-40~+70°C Design assurance
Other	Power supply interface: USB-C, Control interface: J30J-9ZKP.

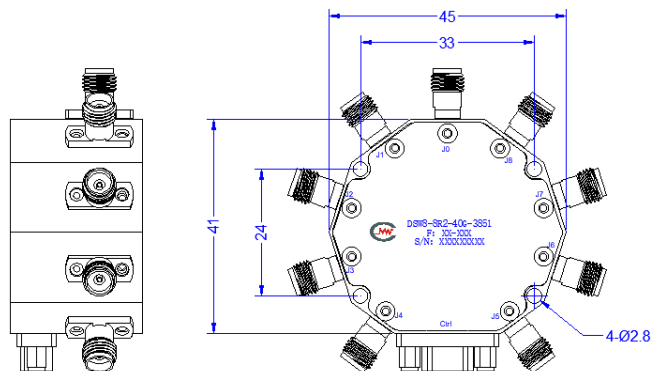
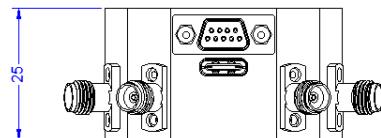
Truth table (1:+3.3V, 0:0V)

信号通道	A	B	C
J0-J1	1	0	1
J0-J2	0	0	0
J0-J3	1	0	0
J0-J4	0	1	0
J0-J5	1	1	1
J0-J6	1	1	0
J0-J7	0	0	1
J0-J8	0	1	1

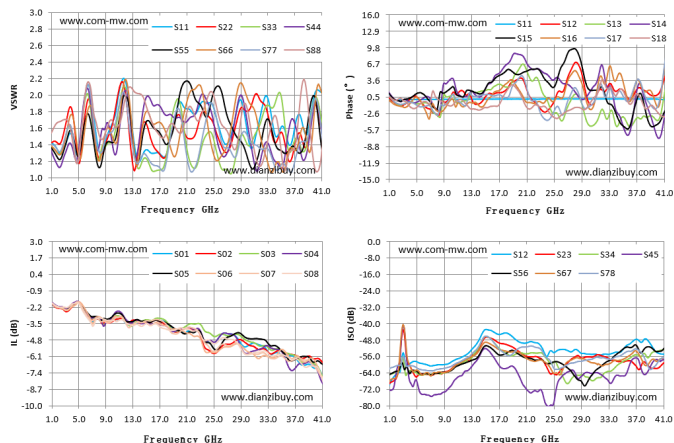
Reference picture



Configuration(mm)



Typical test curve



J30J-9 pin definition

No.	1	2	3	4	5	6-9
Pin Definition	A	B	C	+5V	GND	NC

Typical test data

Frequency GHz	S11 VSWR	S01 IL dB	S04 IL dB	S08 IL dB	S13 Phase (°)	S17 Phase °	S45 ISO dB	S67 ISO dB
1	1.42	-1.91	-1.83	-1.87	0.7	0.8	-72.4	-67.9
3.86	1.53	-2.08	-2.01	-1.99	-0.37	-0.49	-67.3	-59.7
9.57	1.58	-3.25	-3.21	-3.27	0.56	-0.29	-71.6	-63.3
15.29	1.33	-3.31	-3.49	-3.55	1.9	1.01	-52.6	-49.2
21	1.84	-4.14	-3.85	-3.94	5.47	2.2	-72.1	-56.9
26.71	1.41	-4.25	-4.25	-4.66	-2.07	-1.13	-64.1	-59.2
32.43	1.94	-5.32	-5.33	-5.67	-3.19	0.45	-66.3	-59.9
38.14	1.65	-6.81	-6.7	-6.8	-3.13	0.81	-64.7	-59.8
41	2.03	-7.69	-8.17	-7.87	1.15	6.54	-57.3	-56.7

Note

1	Clean the surface of the product, do not soak the product in cleaning solution for cleaning.
2	If the temperature is higher than 125°C, consult with us before ordering.

Port Definition

Common port	J0
Branching port	J1~J8

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