

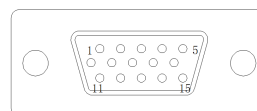
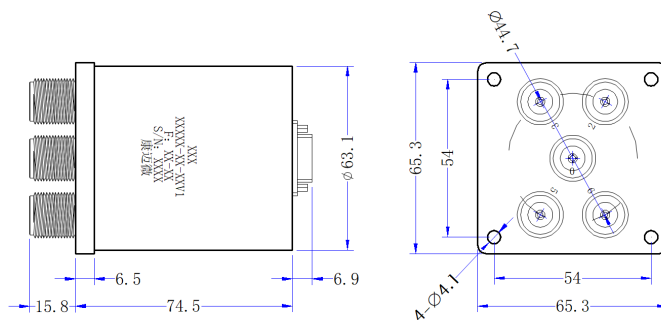
Main specifications

Parameters	Min	Typical	Max	Units
Frequency	DC	~	12.4	GHz
IL			0.5	dB@12.4 GHz
IL			0.3	dB@5GHz
Isolation	60			dB@12.4 GHz
Isolation	70			dB@5GHz
VSWR			1.5	@12.4GHz
VSWR			1.3	@5GHz

Reference picture



Configuration(mm)



Other parameters

Switch way	SP4T
Control	TTL Control
Switching characteristic	Mechanical reflective switch
Switch time	15ms
Connector	N -F
Connector material	Stainless steel
Impedance	50Ω
Power Capacity	350W@5GHz; 250W@12.4GHz Design assurance
Working voltage	+12V
Working current	300mA
Operation Temp.	-25~+65°C Design assurance
Storage Temp.	-55~+85°C Design assurance
Quality Grade	Industrial grade
Switching Lifetime	2 million Cycles
Control port	D-SUB 15Pin Male

Control Port Definition

Pin 2	TTL high level (3~5V)	RF 0-2
Pin 3	TTL high level (3~5V)	RF 0-3
Pin 5	TTL high level (3~5V)	RF 0-5
Pin 6	TTL high level (3~5V)	RF 0-6
Pin 7	VCD	/
Pin 8	GND	/
Pin 1,4,9~15	Not used	/

Port Definition

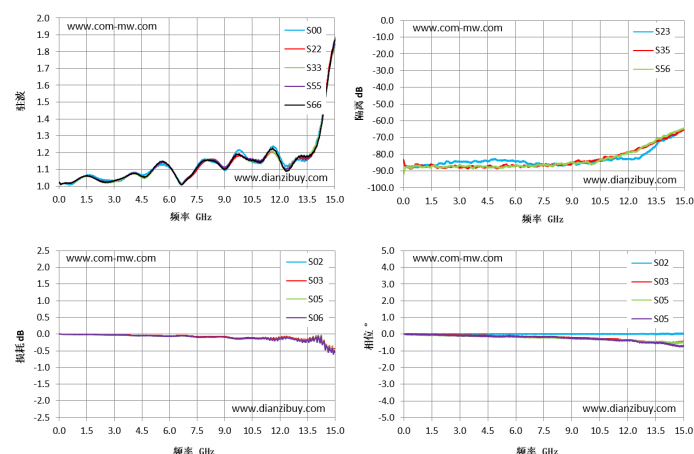
Common port	0
Branching port	2, 3, 5, 6

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

Typical test data

Frequency(GHz)	S00 VSWR	S02 IL dB	S23 ISO dB	S03 Phase (°)
0.01	1.02	-0.01	-83.01	
1.07	1.04	-0.01	-86.59	-0.02
2.14	1.05	-0.02	-85.98	-0.04
3.21	1.03	-0.02	-84.34	-0.07
4.29	1.07	-0.04	-84.06	-0.08
5.36	1.12	-0.05	-83.37	-0.12
6.43	1.05	-0.05	-84.45	-0.15
7.5	1.12	-0.09	-85.86	-0.16
8.57	1.14	-0.09	-86.49	-0.2
9.64	1.2	-0.14	-85.16	-0.23
10.71	1.14	-0.14	-83.69	-0.29
11.79	1.23	-0.15	-82.9	-0.36
12.86	1.15	-0.17	-80.15	-0.45
13.93	1.24	-0.15	-71.56	-0.5
15	1.86	-0.45	-64.84	-0.46

Typical test curve



Note

- 1 Clean the surface of the product, do not soak the product in cleaning solution for cleaning.
- 2 First disconnect and then close