

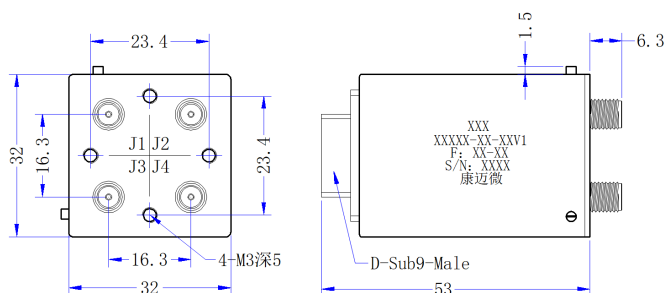
Tech specifications

Parameters	Min	Typical	Max	Units
Frequency	DC	~	18	GHz
IL			0.3@6GHz; 0.5@18GHz	dB
Isolation	70@6GHz; 50@18GHz			dB
VSWR			1.3@6GHz; 1.5@18GHz	

Reference picture



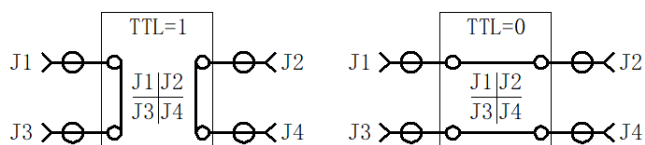
Configuration(mm)



Other parameters

Switch way	DPDT TTL Control
Switching characteristic	Mechanical reflective switch
Switch time	20ms
Connector	SMA-K
Connector material	Stainless steel
Impedance	50Ω
Power Capacity	100W@3GHz; 70W@6GHz; 40W@18GHz
Working voltage	+24V
Working current	180mA
Operation Temp.	-30~+70°C Design assurance
Switching Lifetime	1 million Cycles
Other	Control port: DB9 male

Control circuit diagram

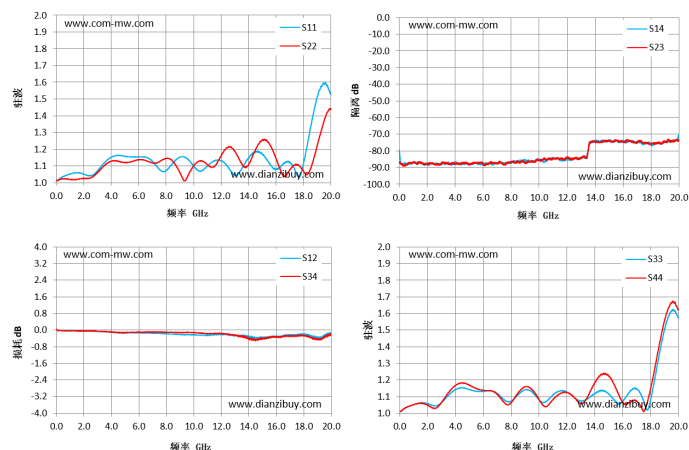


Note: The specifications and performance data contained in this data sheet are based on tests established by CMW.

Control Pin Definition

TTL Control	Pin1, Pin2
24V	Pin8
GND	Pin9

Typical test curve



Typical test data

Frequency(GHz)	S11 VS WR	S22 VS WR	S1 2 IL dB	S3 4 IL dB	S14 ISO dB
0.01	1.0 1	1.0 2	0.0 3	0.0 4	-79. 19
1.43	1.0 6	1.0 2	-0. 05	-0. 04	-87. 09
2.86	1.0 6	1.0 5	-0. 07	-0. 05	-88. 01
4.29	1.1 6	1.1 3	-0. 13	-0. 12	-87. 68
5.71	1.1 5	1.1 3	-0. 14	-0. 11	-88. 22
7.14	1.1 1	1.1 2	-0. 15	-0. 1	-87. 15
8.57	1.1 2	1.1 2	-0. 2	-0. 11	-85. 71
10	1.1	1.1	-0. 24	-0. 13	-85
11.43	1.1 3	1.0 9	-0. 23	-0. 17	-85. 19
12.86	1.0 5	1.2	-0. 26	-0. 24	-84. 72
14.29	1.1 7	1.1 6	-0. 37	-0. 47	-74. 34
15.71	1.0 9	1.2	-0. 32	-0. 34	-74. 84
17.14	1.1 1	1.0 9	-0. 25	-0. 29	-74. 64
18.57	1.3 5	1.0 9	-0. 3	-0. 38	-75. 5
20	1.5 3	1.4 4	-0. 17	-0. 23	-69. 56

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.