

Product features

Broadband, high-power.

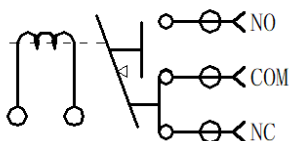
Tech specifications

Parameters	Min	Typical	Max	Units
Frequency	DC	~	18	GHz
IL			0.5	dB
Isolation	60	70		dB
VSWR			1.5	

Other parameters

Switch way	SPDT
Switching characteristic	Mechanical reflective switch
Switch time	15ms
Connector	SMA-K
Connector material	Stainless steel
Impedance	50Ω
Power Capacity	100W@3GHz; 60W@6GHz; 40W@18GHz
Working voltage	+12V
Working current	240mA
Operation Temp.	-40~+85°C Design assurance
Switching Lifetime	1 million Cycles

Control circuit diagram



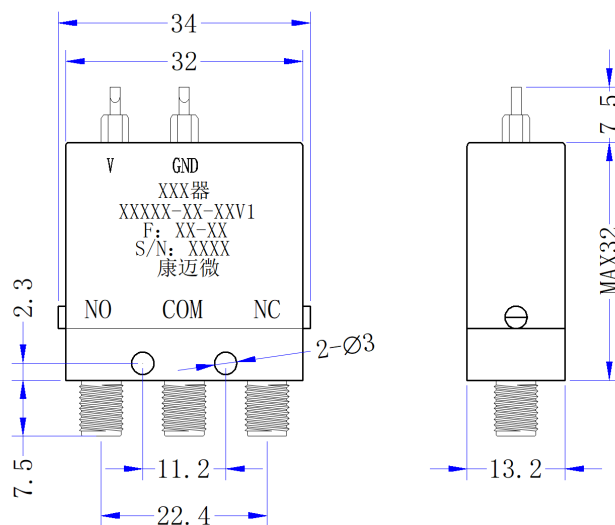
控制电压= 0V, COM与NC连接

控制电压=12V, COM与NO连接

Reference picture



Configuration(mm)



Port Definition

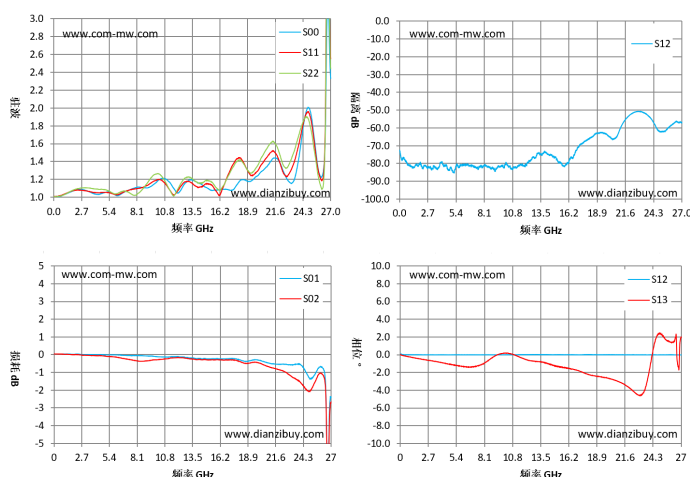
Common port	COM
Branching port	NO, NC

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

Typical test data

Frequency(GHz)	S00 VS WR	S11 VS WR	S01 IL dB	S12 ISO dB	S13 Phase (°)
0.1	1.0 1	1.0 1	-0. 01	-72. 63	0.02
3.86	1.0 4	1.0 5	-0. 05	-80. 4	-0.8 6
5.79	1.0 4	1.0 4	-0. 05	-80. 58	-1.2 9
7.71	1.1 4	1.0 9	-0. 08	-82. 02	-1.1 7
9.64	1.1 4	1.1 7	-0. 12	-81. 94	0.1
13.5	1.1 9	1.1 6	-0. 18	-74. 74	-0.8 1
15.43	1.0 8	1.1 3	-0. 22	-79. 86	-1.4
17.36	1.0 8	1.3 4	-0. 31	-69. 16	-1.9 1
21.21	1.4 1	1.5 1	-0. 51	-59. 17	-3.1 7
25.07	1.9 3	1.8 7	-1. 35	-62. 23	2.3

Typical test curve



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.