

Product features

Broadband, high-power.

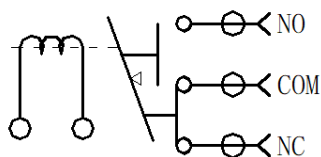
Tech specifications

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, TTL Control
Switching characteristic	Mechanical reflective switch
Switch time	15ms
Connector	SMA-K
Connector material	Stainless steel
Impedance	50Ω
Power Capacity	100W@3GHz; 70W@6GHz; 40W@18GHz
Working voltage	+12V
Working current	240mA
Operation Temp.	-40~+85°C Design assurance
Switching Lifetime	1 million Cycles

Suggested PCB Layout

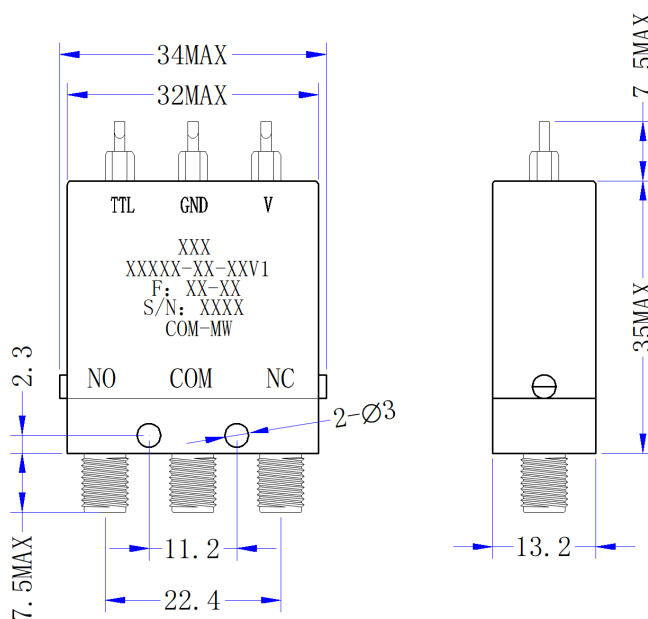


TTL电平=0, COM与NC连接
TTL电平=1, COM与NO连接

Reference picture



Configuration(mm)



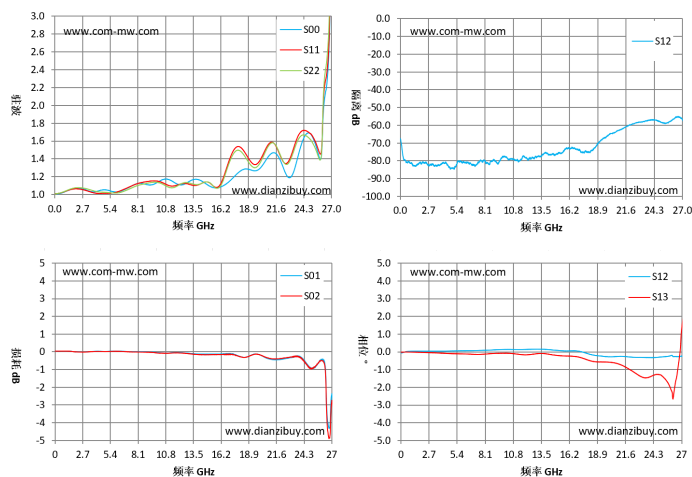
Port Definition

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	S0 1 IL dB	S12 ISO dB	S13 Pha se (°)
0.1	1.0 1	1.0 1	-0. 01	-67. 55	-0.0 3
3.86	1.0 3	1.0 2	-0. 02	-81. 88	-0.0 8
5.79	1.0 3	1.0 2	-0. 03	-80. 37	-0.1 2
9.64	1.1 2	1.1 5	-0. 07	-78. 68	-0.0 9
11.57	1.1 4	1.1	-0. 55	-79. 13	-0.1 6
13.5	1.1 7	1.1	-0. 12	-77. 26	-0.1
17.36	1.1 8	1.4 8	-0. 33	-74. 97	-0.3 4
19.29	1.2 7	1.3 5	-0. 46	-68. 15	-0.5 8
23.14	1.2 1	1.4 7	-0. 6	-58. 11	-1.4 2
25.07	1.6 6	1.6 7	-0. 94	-58. 53	-1.3 5

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.