

Tech specifications

Parameters	Min	Typical	Max	Units
Frequency	DC	~	18	GHz
IL			0.3@6GHz; 0.8@18GHz	dB
Isolation	70@6GHz; 60@18GHz			dB
VSWR			1.3@6GHz; 1.6@18GHz	

Other parameters

Switch way	SP8T
Control	TTL Control
Switching characteristic	Mechanical reflective switch
Switch time	15ms
Connector	SMA-K
Connector material	Stainless steel
Impedance	50Ω
Power Capacity	80W@3GHz ; 50W@6GHz ; 20W@18GHz
Working voltage	+24V
Working current	160mA
Operation Temp	-40~+85°C Design assurance
Switching Lifetime	1 million Cycles
Other	Control port: miniDB15 Female

Port Definition

Common port	COM
Branching port	1, 2, 3, 4, 5, 6, 7, 8

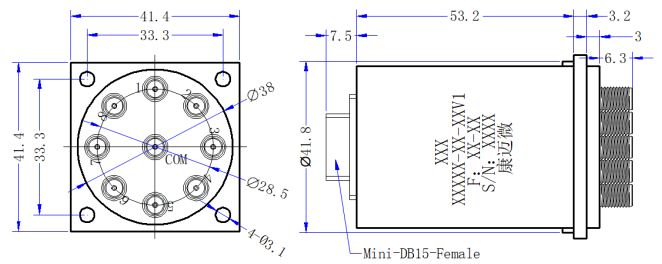
Typical test data

Frequency(GHz)	S00 VSWR	S11 VSWR	S01 IL dB	S12 ISO dB	S04 Phase
0.01	1.01	1.01	-0.01	-73.16	0.1
3.29	1.08	1.07	-0.03	-81.72	0.12
6.57	1.15	1.11	-0.06	-81.69	0.3
9.86	1.2	1.21	-0.14	-81.43	0.38
13.14	1.09	1.06	-0.26	-81.72	0.5
16.43	1.23	1.57	-0.46	-75.73	0.44
18.07	1.17	1.2	-0.53	-72.36	0.66
21.36	1.6	1.88	-1.09	-68.28	0.76
23	2.58	2.89	-1.95	-67.39	0.96

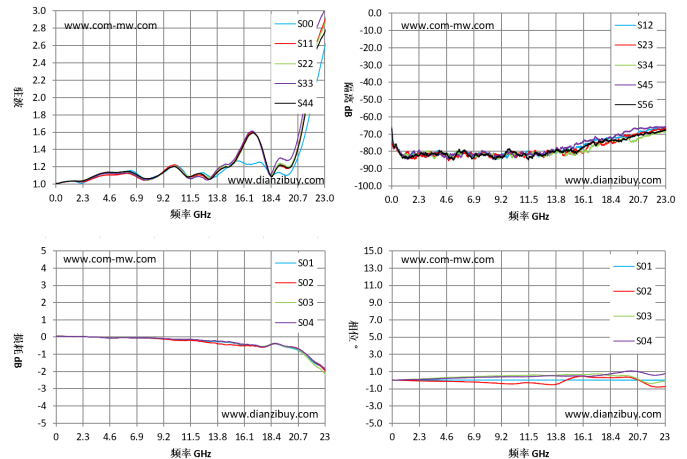
Reference picture



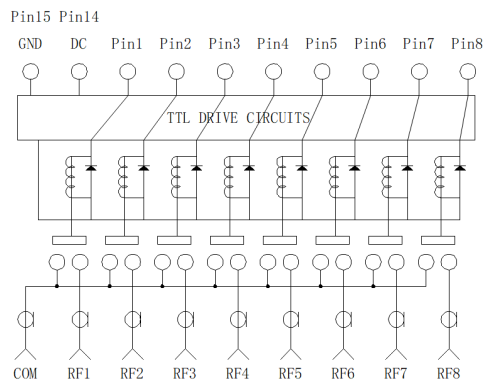
Configuration(mm)



Typical test curve



Control circuit diagram



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.