

tech specifications

Parameters	Min	Typical	Max	Units
Frequency	DC	~	40	GHz
IL			0.3@6GHz; 0.5 @18GHz ; 1.25 @40GHz	dB
Isolation	70@6GHz; 60 @18GHz ; 50 @40GHz			dB
VSWR			1.3@6GHz; 1.5 @18GHz ; 2@ 40GHz	

Other parameters

Switch way	SP4T
Control	TTL Control
Switching characteristic	Mechanical reflective switch
Switch time	15ms
Connector	2.92-K
Connector material	Stainless steel
Impedance	50Ω
Power	30W@6GHz ; 15W@18GHz ; 5W@40GHz
Working voltage	+12V
Working current	270mA
Work Temp.	-40~+70°C Design assurance
Switching Lifetime	1 million Cycles
Other	Control port: D-Sub9 Male

Port Definition

Common port	COM
Branching port	1 , 2 , 3 , 4

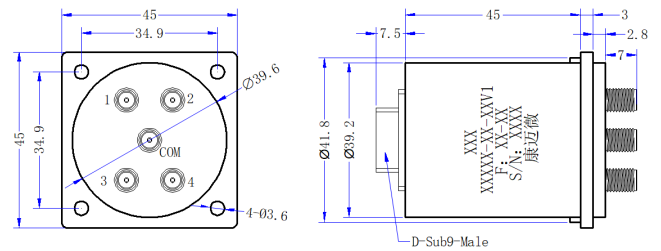
Typical test data

Frequency(GHz)	S00 VSWR	S11 VSWR	S01 IL dB	S12 ISO dB	S02 Phase)
0.1	1.01	1.01	-0.01	-71.21	-0.03
6	1.1	1.08	-0.02	-79.68	0.57
9	1.05	1.04	-0.04	-83.07	1
12	1.12	1.08	-0.07	-81.53	1.62
18	1.09	1.15	-0.18	-77.31	2.74
22	1.36	1.35	-0.24	-78.71	3.4
25	1.42	1.27	-0.35	-78.86	3.68
31	1.55	1.46	-0.41	-76.56	5.42
34	1.44	1.4	-0.58	-75.05	5.88
40	1.33	1.56	-0.83	-67.6	9.04
43	2.14	2.3	-2.14	-58.86	10.88

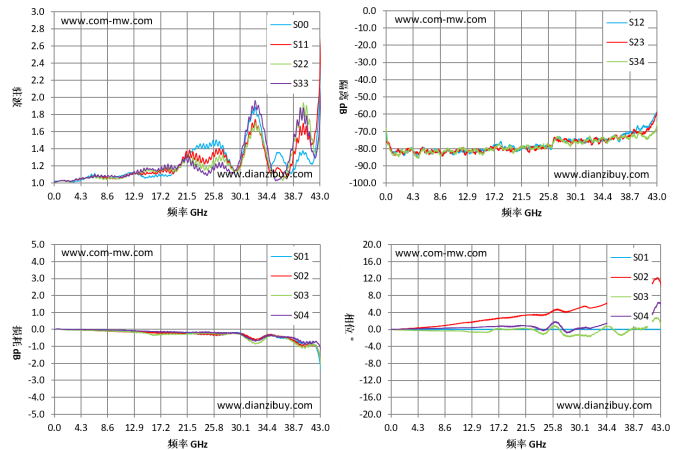
Reference picture



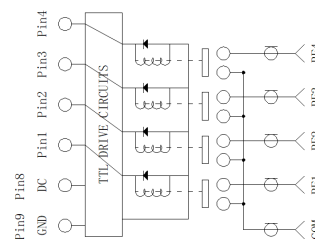
Configuration(mm)



Typical test curve



Control circuit diagram



Note

1	Please do not wash the product in the cleaning solution.,Please do not wash the product in the cleaning solution.
2	If the temperature is higher than 125°C, consult with us before ordering.
3	D-Sub9 control pin definition, see product label for details.