

Product features

Broadband, high-power.

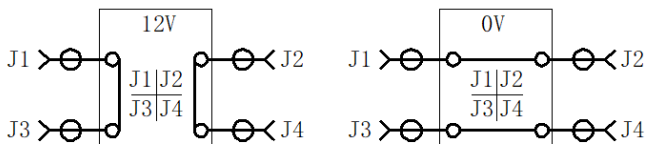
Tech specifications

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	

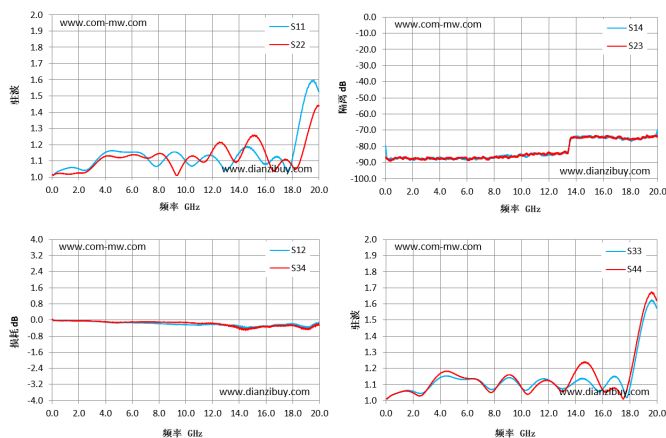
Other parameters

Switch way	DPDT
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	+12V
Working current	360mA
Operation Temp	-30~+70°C Design assurance
Switching Lifetime	1 million Cycles

Control circuit diagram



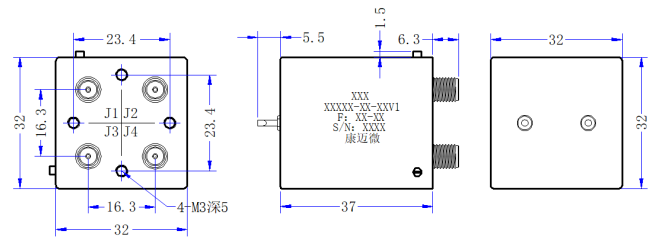
Typical test curve



Reference picture



Configuration(mm)



Typical test data

Frequency(GHz)	S11 VSWR	S22 VSWR	S12 IL dB	S34 IL dB	S14 ISO dB
0.01	1.01	1.02	0.03	0.04	-79.19
1.43	1.06	1.02	-0.05	-0.04	-87.09
2.86	1.06	1.05	-0.07	-0.05	-88.01
4.29	1.16	1.13	-0.13	-0.12	-87.68
5.71	1.15	1.13	-0.14	-0.11	-88.22
7.14	1.11	1.12	-0.15	-0.1	-87.15
8.57	1.12	1.12	-0.2	-0.11	-85.71
10	1.1	1.1	-0.24	-0.13	-85
11.43	1.13	1.09	-0.23	-0.17	-85.19
12.86	1.05	1.2	-0.26	-0.24	-84.72
14.29	1.17	1.16	-0.37	-0.47	-74.34
15.71	1.09	1.2	-0.32	-0.34	-74.84
17.14	1.11	1.09	-0.25	-0.29	-74.64
18.57	1.35	1.09	-0.3	-0.38	-75.5
20	1.53	1.44	-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.