

Tech specifications

Parameters	Min	Typical	Max	Units
Frequency	6	~	18	GHz
IL		5	7	dB
Isolation	60	70		dB
VSWR		1.8	2	

Other parameters

Switch way	SP8T
Switching characteristic	Electronic absorption switch
Switch time	100ns
Connector	SMA-K detachable, Pin 0.38mm
Connector material	Stainless steel
Impedance	50Ω
Power Capacity	0.2W
Working voltage	±5V
Working current	300mA@+5V;50mA@-5V
Operation Temp.	-40~+85°C Design assurance

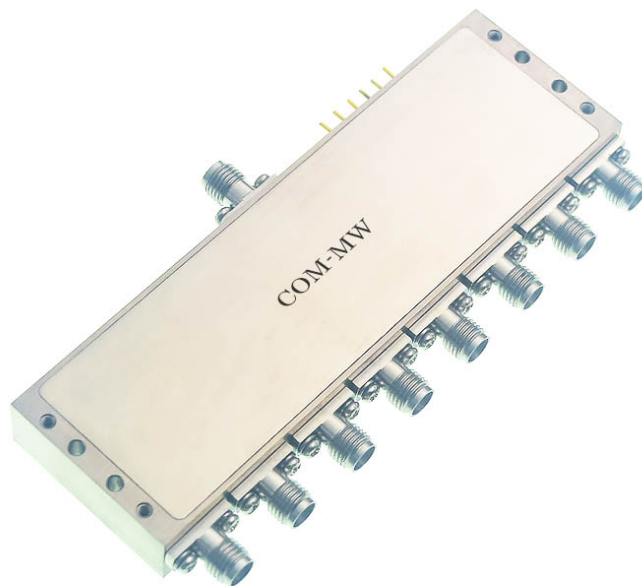
Truth table

port	C3	C2	C1
J1	0	0	0
J2	0	0	1
J3	0	1	0
J4	0	1	1
J5	1	0	0
J6	1	0	1
J7	1	1	0
J8	1	1	1

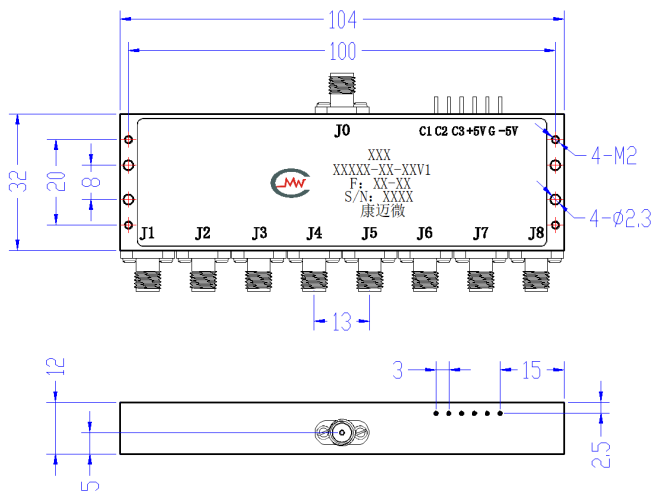
Port Definition

Common port	J0
Branching port	J1, J2, J3, J4, J5, J6, J7, J8

Reference picture



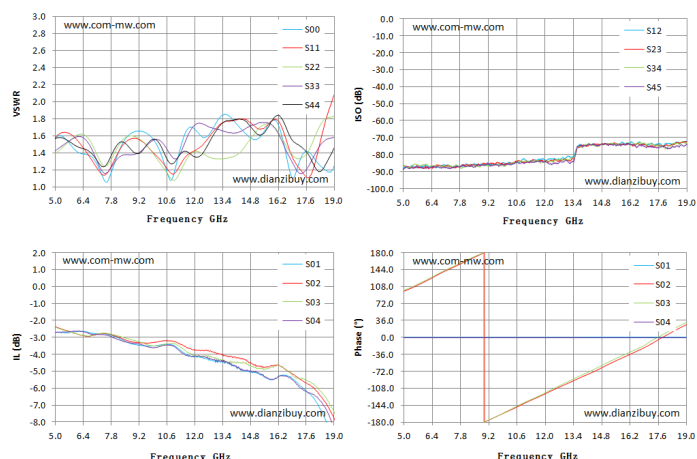
Configuration(mm)



Typical test data

Frequency GHz	S00 VS WR	S11 VS WR	S0 1 IL dB	S0 4 IL dB	S1 2 IS O
5	1.58	1.59	-2. 69	-2. 69	-87 .91
6	1.43	1.57	-2. 67	-2. 64	-86 .84
7	1.3	1.25	-2. 78	-2. 85	-86 .03
8	1.31	1.34	-2. 97	-3. 06	-86 .5
9	1.65	1.57	-3. 43	-3. 36	-85 .81
10	1.53	1.38	-3. 5	-3. 6	-85 .15
11	1.21	1.17	-3. 51	-3. 57	-82 .89
12	1.68	1.43	-4. 16	-4. 12	-83 .14
13	1.72	1.67	-4. 36	-4. 29	-82 .19
14	1.77	1.79	-4. 67	-4. 64	-74 .45
15	1.56	1.72	-5. 05	-5	-73 .46
16	1.79	1.8	-5. 48	-5. 46	-73 .56
17	1.13	1.31	-5. 52	-5. 61	-74 .01
18	1.34	1.25	-6. 61	-6. 39	-73 .38

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.