SP6T 18GHz

Normally open

◆ RF Features

RF Range (GHz)	Insertion loss (dB)	Isolation (dB)	Standing wave
DC -6	0.3	70	1.3
6-12	0.4	60	1.4
12-18	0.5	60	1.5

◆Operating voltage/current

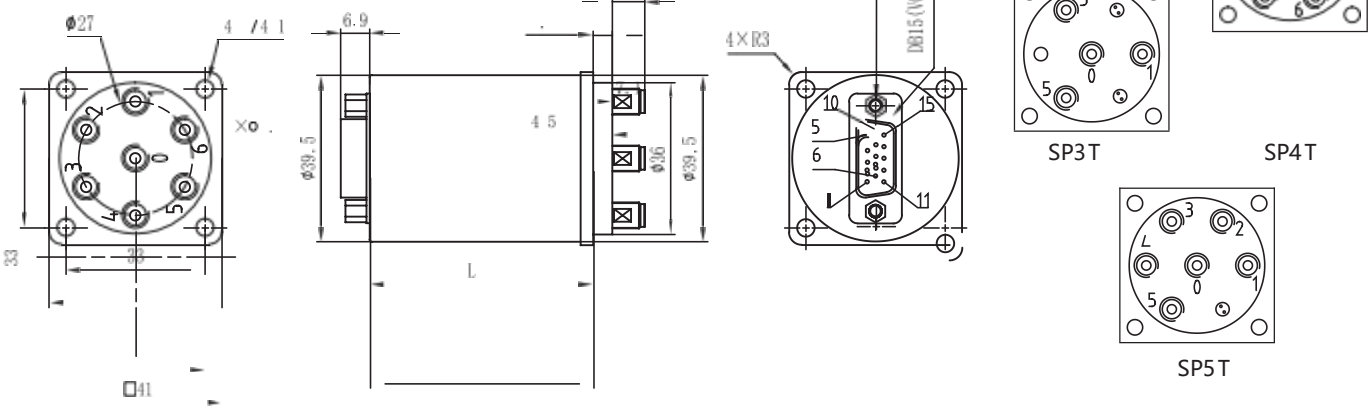
Operating voltage (V)		12	24	28
Current(mA)	Normally Open	300	150	140

* The voltage can be selected according to user's requirements.

◆ Product features

- DC to 18GHz
- Low SWR, low loss, high isolation
- Connector form SMA
- TTL level control is selectable

◆ Product dimensions



L =46. 5(standard/TTL)

◆Technical specifications

Switching sequence: first break and then close

Switching rate: <15ms

Operating temperature:

-25℃~65℃ (standard)

-55℃~85℃(Temperature expansion)

Switching life: 2 million times

RF connector: SMA Female

Control interface: DB15 Male

Impact (non-working state): 30G, 1/2 Sine, 11ms

Vibration (operating state): 20-2000Hz、10G RMS

SP6T 26.5GHz

Normally open

◆ RF Features

RF Range (GHz)	Insertion loss (dB)	Isolation (dB)	Standing wave
DC -6	0.3	70	1.3
6-12	0.4	60	1.4
12-18	0.5	60	1.5
18 -26.5	0.6	55	1.6

◆ Operating voltage/current

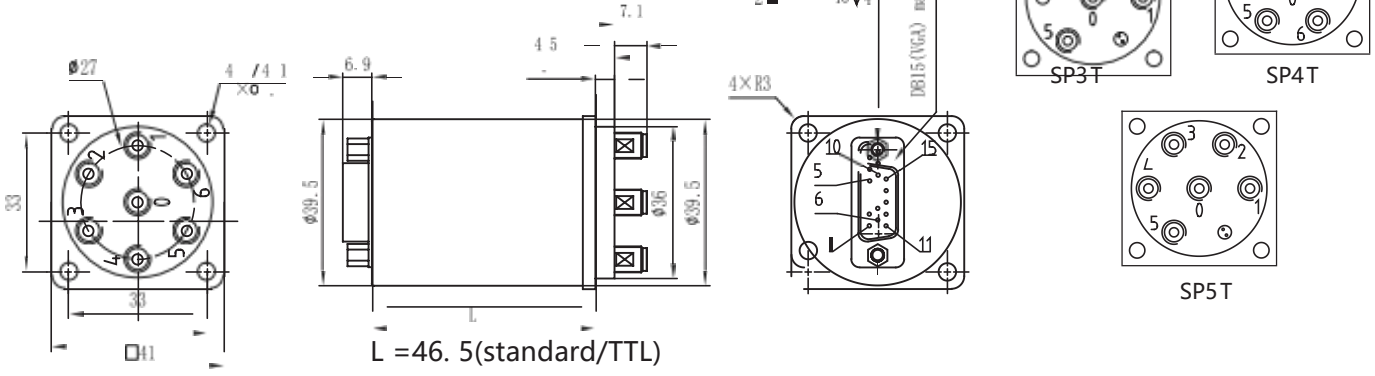
工作电压 (V)		12	24	28
Current(mA)	Normally Open	300	150	140

* The voltage can be selected according to user's requirements.

◆ Product features

- DC to 18GHz
- Low SWR, low loss, high isolation
- Connector form SMA
- TTL level control is selectable

◆ Product dimensions



◆ Technical specifications

Switching sequence: first break and then close

Switching rate: <15ms

Operating temperature:

-25℃~65℃ (standard)

-55℃~85℃(Temperature expansion)

Switching life: 2 million times

RF connector: SMA Female

Control interface: DB15 Male

Impact (non-working state): 30G, 1/2 Sine, 11ms

Vibration (operating state): 20-2000 Hz、10G RMS

SP6T 40GHz

Normally open

◆ RF Features

RF Range (GHz)	Insertion loss (dB)	Isolation (dB)	Standing wave
DC -6	0.3	70	1.3
6-12	0.4	70	1.4
12 - 18	0.5	60	1.5
18 -26.5	0.7	55	1.7
26.5 - 32	0.8	50	1.8
32 - 40	0.9	50	1.9

◆ Operating voltage/current

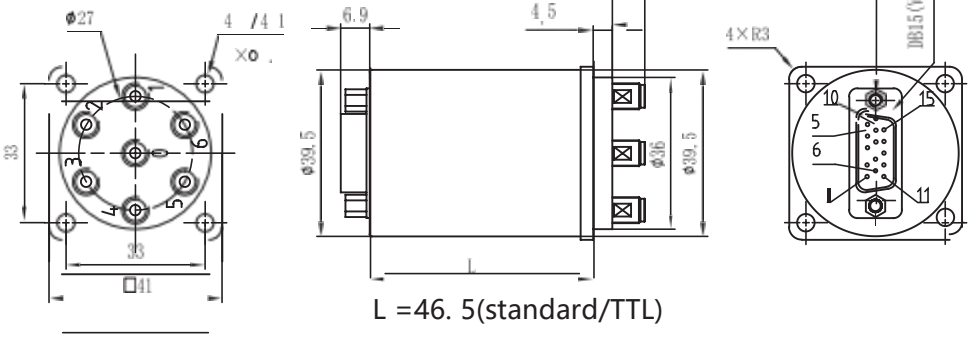
Operating voltage (V)		12	24	28
Current(mA)	Normally Open	300	150	140

* The voltage can be selected according to user's requirements.

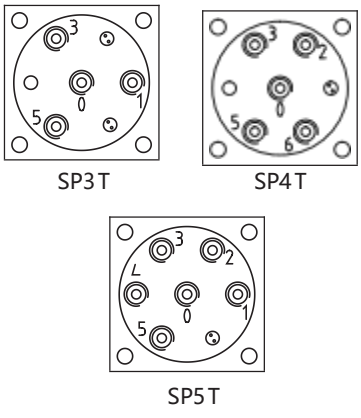
◆ Product features

- DC to 40GHz
- Low SWR, low loss, high isolation
- Connector form 2.92
- TTL level control is selectable

◆ Product dimensions



L =46. 5(standard/TTL)



◆ Technical specifications

Switching sequence: first break and then close

Switching rate: <15ms

Operating temperature:

-25℃~65℃ (standard)

-55℃~85℃(Temperature expansion)

Switching life: 2 million times

RF connector: SMA Female

Control interface: DB15 Male

Impact (non-working state): 30G, 1/2 Sine, 11ms

Vibration (operating state): 20-20-2000 Hz、10G RMS

SP6T 50GHz

Normally open

◆ RF Features

RF Range (GHz)	Insertion loss (dB)	Isolation (dB)	Standing wave
DC -6	0.3	70	1.3
6-12	0.4	70	1.4
12 - 18	0.5	60	1.5
18 -26.5	0.7	55	1.7
26.5 - 32	0.9	50	1.9
32 - 40	1.0	50	2.0
40 - 50	1.2	50	2.2

◆ Product features

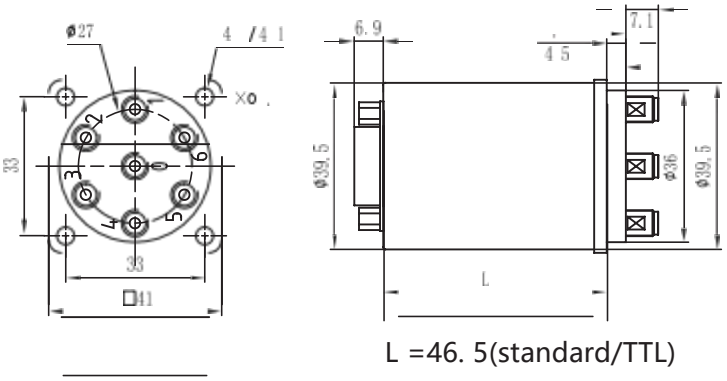
- DC to 50GHz
- Low SWR, low loss, high isolation
- Connector form 2.9
- TTL level control is selectable

◆ Operating voltage/current

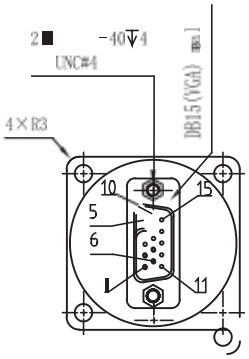
Operating voltage (V)		12	24	28
Current(mA)	Normally Open	300	150	140

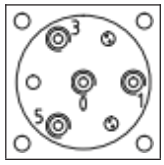
* The voltage can be selected according to user's requirements.

◆ Product dimensions

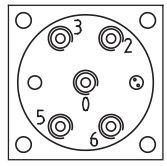


L =46. 5(standard/TTL)

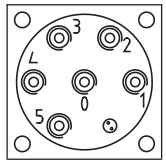




SP3T



SP4T



SP5T

◆ Technical specifications

Switching sequence: first break and then close

Switching rate: <15ms

Operating temperature:

-25℃~65℃ (standard)

-55℃~85℃(Temperature expansion)

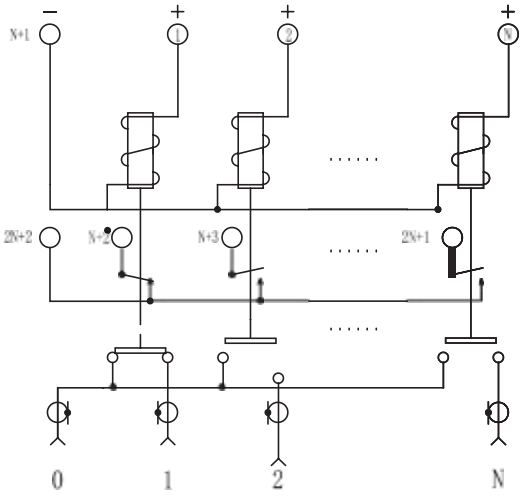
Switching life: 2 million times

RF connector: 2.92 Female

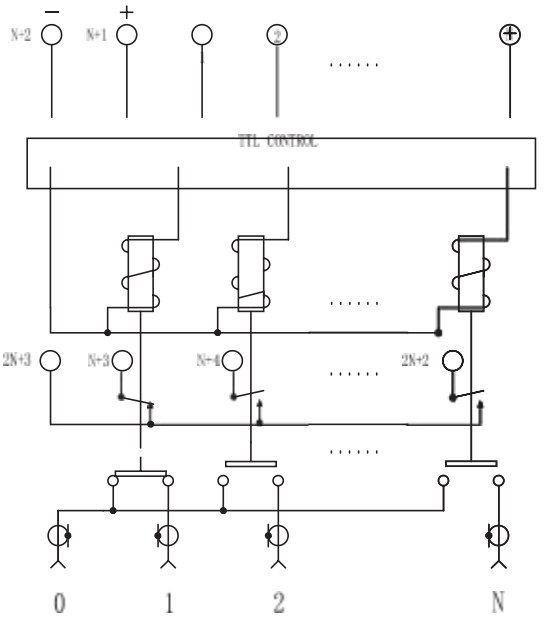
Control interface: DB15 Male

Impact (non-working state): 30G, 1/2 Sine, 11ms

Vibration (operating state): 20-2000 Hz、10G RMS



Normally Open



Normally Open+TTL

Switching method SP3T		RF Channel	Pin definition DB15 MALE	
			Motivation	Feedback
Normally open	NO TTL	0→1	1:VDC, 7:GND	14→8
		0→3	3:VDC, 7:GND	14→10
		0→5	5:VDC, 7:GND	14→12
	TTL	0→1	1:TTL, 7:VDC , 8:GND	15→9
		0→3	3:TTL, 7:VDC , 8:GND	15→11
		0→5	5:TTL, 7:VDC , 8:GND	15→13

Switching method SP4T		RF Channel	Pin definition DB15 MALE	
			Motivation	Feedback
Normally open	NO TTL	0→2	2:VDC, 7:GND	14→9
		0→3	3:VDC, 7:GND	14→10
		0→5	5:VDC, 7:GND	14→12
		0→6	6:VDC, 7:GND	14→13
	TTL	0→2	2:TTL, 7:VDC , 8:GND	15→10
		0→3	3:TTL, 7:VDC , 8:GND	15→11
		0→5	5:TTL, 7:VDC , 8:GND	15→13
		0→6	6:TTL, 7:VDC , 8:GND	15→14

Switching method SP5T		RF Channel	Pin definition DB15 MALE	
			Motivation	Feedback
Normally open	NO TTL	0→1	1:VDC, 7:GND	14→8
		0→2	2:VDC, 7:GND	14→9
		0→3	3:VDC, 7:GND	14→10
		0→4	4:VDC, 7:GND	14→11
		0→5	5:VDC, 7:GND	14→12
	TTL	0→1	1:TTL, 7:VDC , 8:GND	15→9
		0→2	2:TTL, 7:VDC , 8:GND	15→10
		0→3	3:TTL, 7:VDC , 8:GND	15→11
		0→4	4:TTL, 7:VDC , 8:GND	15→12
		0→5	5:TTL, 7:VDC , 8:GND	15→13

Switching method SPnT n=6		RF Channel	Pin definition DB15 MALE	
			Motivation	Feedback
Normally open	NO TTL	0→1	1:VDC, n+1:GND	2n+2→n+2
		0→2	2:VDC, n+1:GND	2n+2→n+3
		0→n	n:VDC, n+1:GND	2n+2→2n+1
	TTL	0→1	1:TTL, n+1:VDC, n+2:GND	2n+3→n+3
		0→2	2:TTL, n+1:VDC, n+2:GND	2n+3→n+4
		0→n	n:TTL, n+1:VDC, n+2:GND	2n+3→2n+2