SP10T 18GHz
Loaded type
Normally open / Latching

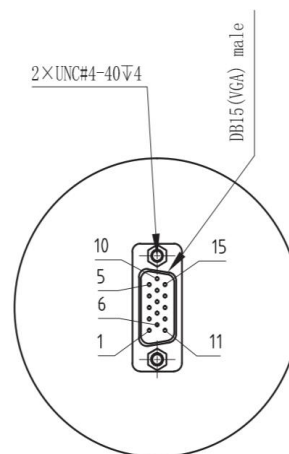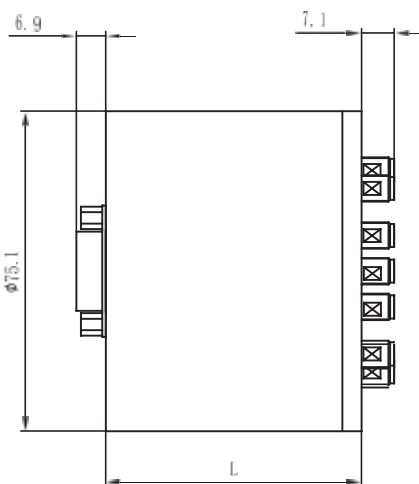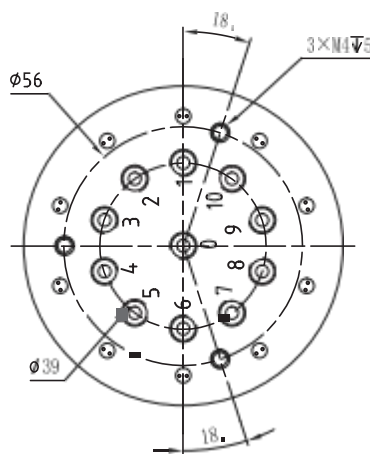◆ RF Features

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	50	1.5

◆ Operating voltage/current

Operating voltage (V)		12	24	28
Current(mA)	Normally Open	300	200	180
	Latching	320	200	180

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

◆ Product features

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

◆ Product dimensions

L = 50 (Standard/TTL)

◆ Technical specifications

Switching sequence: Break first, 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

Shock (non-working state)：30G、1/2 Sine、11 ms

Vibration (operating state): 20-2000Hz, 10GRMS

SP10T 26.5GHz
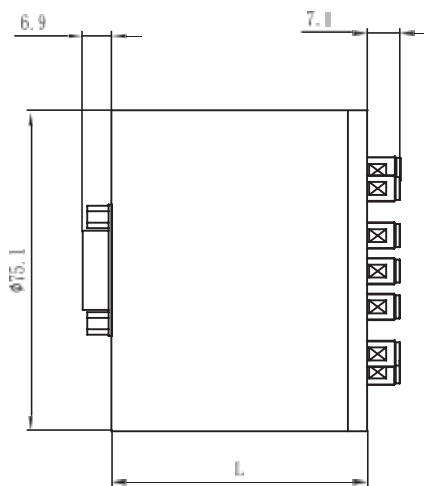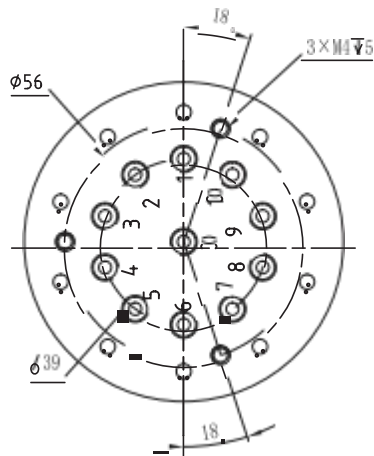## Loaded type
Normally open / Latching

◆ 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	50	1.5
18 -26. 5	0.7	50	1.7

◆ Operating voltage/current

Operating voltage (V)		12	24	28
Current(mA)	Normally Open	300	200	180
	Latching	320	200	180

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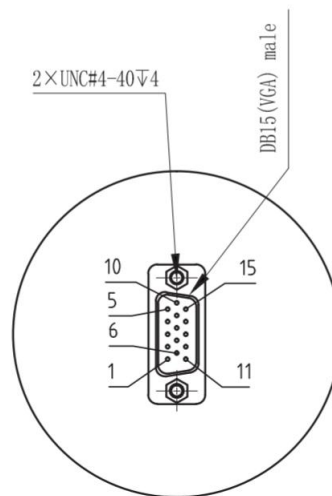
◆ Product features

- DC to 26.5GHz
- Low SWR, low loss, high isolation
- Connector form SMA
- TTL level control is selectable

◆ Product dimensions

L=50(Standard/TTL)

◆ Technical specifications

Switching sequence: Break first, then close

Switching rate: <15ms

Operating temperature:

-25℃~65℃ (standard)

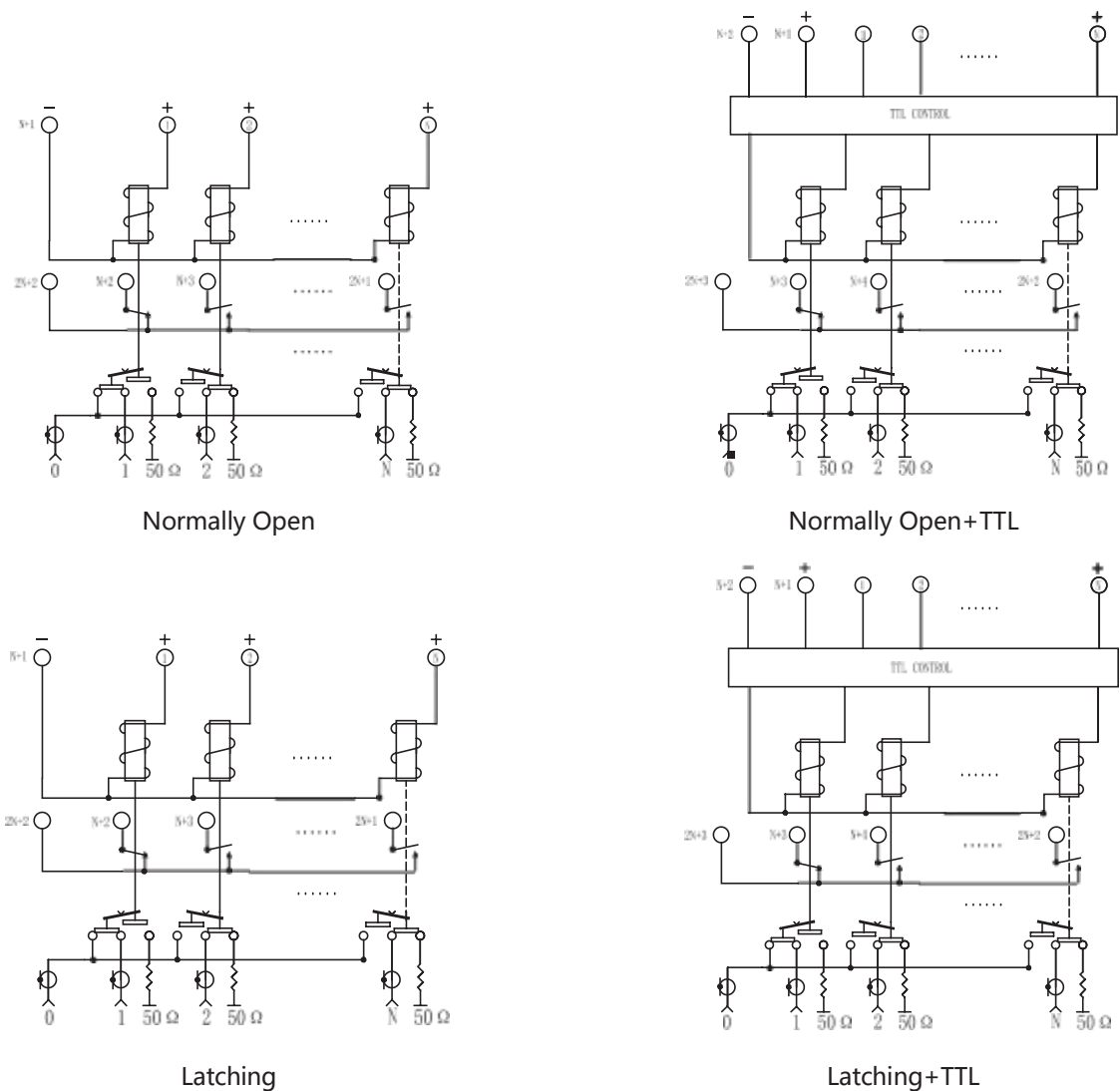-55℃~85℃(Temperature expansion)

Switching life: 2 million times

RF connector：SMA Female

Control interface: DB15 Male

Shock (non-working state)：30G、1/2 Sine、11 ms

Vibration (operating state): 20-2000Hz, 10GRMS

Normally Open

Normally Open+TTL

Latching

Latching+TTL

Switching method SPnT, n=9、10		RF Channel	Pin definition	
			DB15 / DB 25 MALE	
			Motivation	Feedback
Normally open	NO TTL	$0 \rightarrow 1$	1:VDC, n+1:GND	$2n+2 \rightarrow n+2$
		$0 \rightarrow 2$	2:VDC, n+1:GND	$2n+2 \rightarrow n+3$
		$0 \rightarrow n$	n:VDC, n+1:GND	$2n+2 \rightarrow 2n+1$
	TTL	$0 \rightarrow 1$	1:TTL, n+1:VDC, n+2:GND	$2n+3 \rightarrow n+3$
		$0 \rightarrow 2$	2:TTL, n+1:VDC, n+2:GND	$2n+3 \rightarrow n+4$
		$0 \rightarrow n$	3:TTL, n+1:VDC, n+2:GND	$2n+3 \rightarrow 2n+2$
Latching	NO TTL	$0 \rightarrow 1$	1:VDC, n+1:VDC, n+2:GND	$2n+3 \rightarrow n+3$
		$0 \rightarrow 2$	2:VDC, n+1:VDC, n+2:GND	$2n+3 \rightarrow n+4$
		$0 \rightarrow n$	n:VDC, n+1:VDC, n+2:GND	$2n+3 \rightarrow 2n+2$
	TTL	$0 \rightarrow 1$	1:TTL, n+1:TTL, n+2:VDC, n+3:GND	$2n+4 \rightarrow n+4$
		$0 \rightarrow 2$	2:TTL, n+1:TTL, n+2:VDC, n+3:GND	$2n+4 \rightarrow n+5$
		$0 \rightarrow n$	n:TTL, n+1:TTL, n+2:VDC, n+3:GND	$2n+4 \rightarrow 2n+3$