SPDT / 2P3T 18GHz

On load
Failsafe / 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	55	1.5

◆ Operating voltage/current

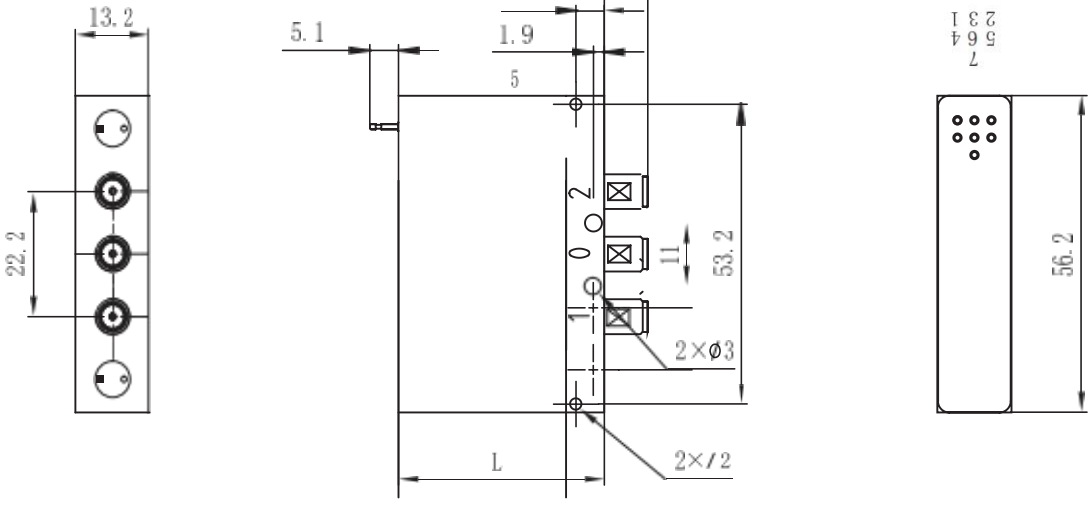
Operating voltage (V)		12	24	28
Current(mA)	Failsafe	350	200	180
	Latching	400	200	180

* 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=36.5(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): 20-2000 Hz、10G RMS

SPDT / 2P3T 26.5GHz

On load
Failsafe / 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	55	1.5
18-26.5	0.6	50	1.6

◆ Product features

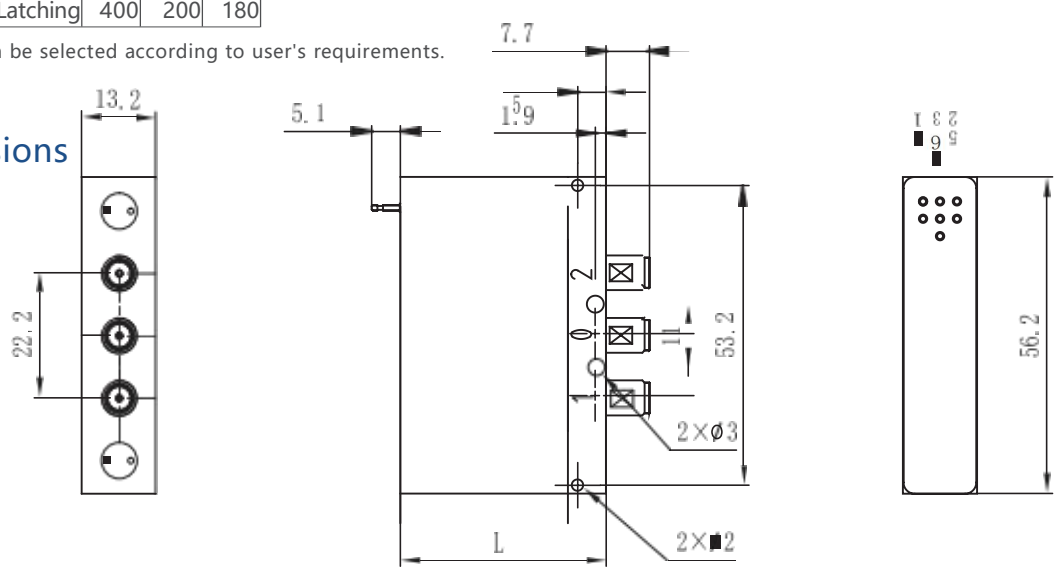
- DC to 26.5GHz
- Low SWR, low loss, high isolation
- Connector form SMA
- TTL level control is selectable

◆ Operating voltage/current

Operating voltage (V)		12	24	28
Current(mA)	Failsafe	350	200	180
	Latching	400	200	180

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

◆Product dimensions



L = 36.5(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

SPDT / 2P3T 40GHz

On load
Failsafe / 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	55	1.5
18 -26.5	0.6	50	1.6
26.5 - 32	0.7	50	1.7
32 - 40	0.9	50	1.9

Operating voltage/current

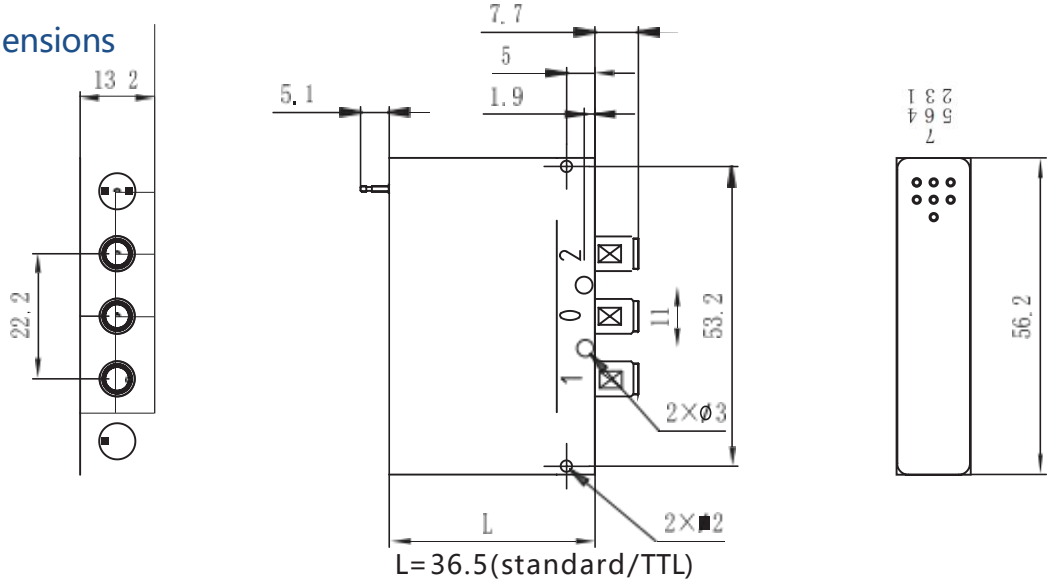
Operating voltage (V)		12	24	28
Current(mA)	Failsafe	350	200	180
	Latching	400	200	180

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

◆ Product features

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

◆ Product dimensions



L=36.5(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: 2.92 Female

Control interface: DB15 Male

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

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

SPDT / 2P3T 50GHz

On load
Failsafe / Latching

◆ 射频特性

频率范围 (GHz)	插入损耗 (dB)	隔离 (dB)	驻波
DC -6	0.3	70	1.3
6-12	0.4	60	1.4
12 - 18	0.5	55	1.5
18 -26.5	0.6	50	1.7
26.5 - 32	0.8	50	1.8
32 - 40	0.9	50	1.9
40 - 50	1.0	45	2.0

◆ Product features

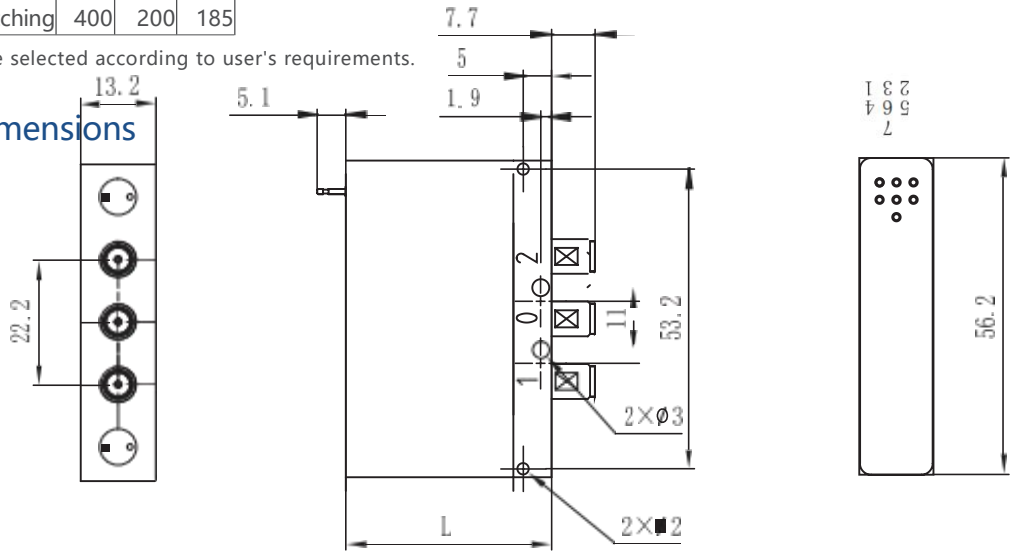
- DC to 50GHz
- Low SWR, low loss, high isolation
- Connector form 2.4
- TTL level control is selectable

◆ Operating voltage/current

Operating voltage (V)		12	24	28
Current(mA)	Failsafe	350	200	180
	Latching	400	200	185

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

◆ Product dimensions



L=38.7standard/TTL)

◆Technical specifications

Switching sequence: first break and then close

Switching rate: <15ms

Operating temperature:

-25℃~65℃ (standard)

-55℃~85℃(Temperature expansion)

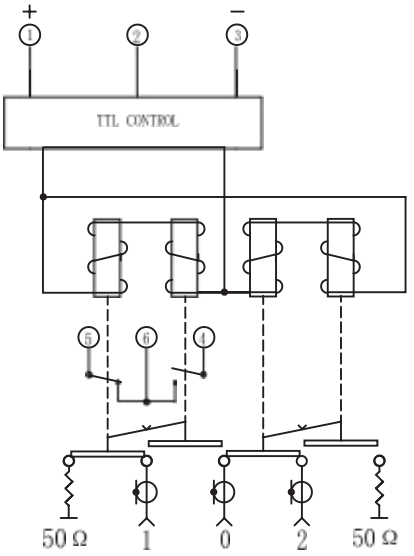
Switching life: 2 million times

RF connector：2.4 Female

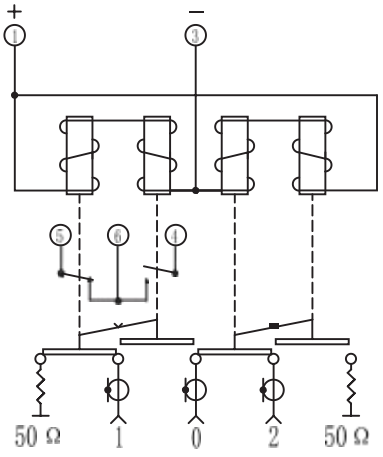
Control interface：terminal

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

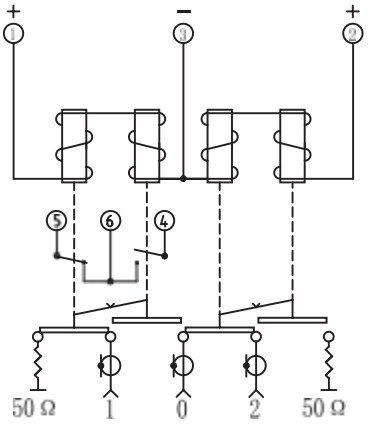
Vibration (operating state): 20-2000Hz, 10GRMS



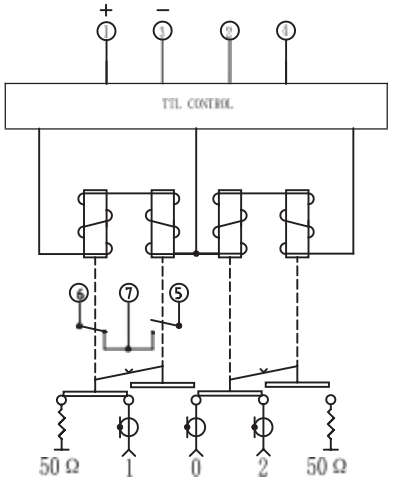
SPDT Failsafe+TTL



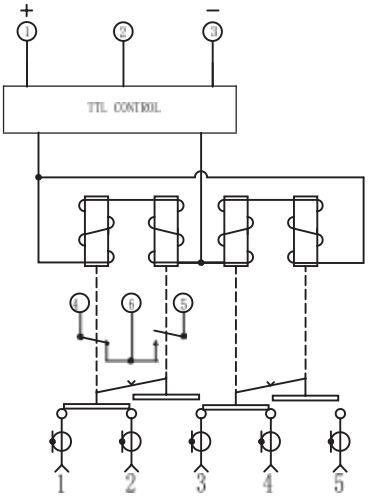
SPDT Failsafe



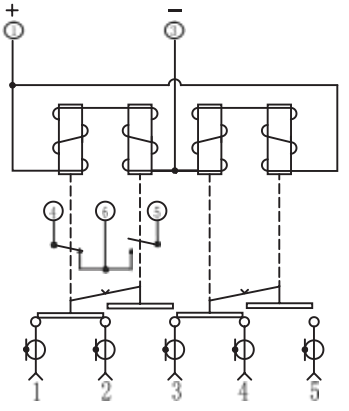
SPDT Latching



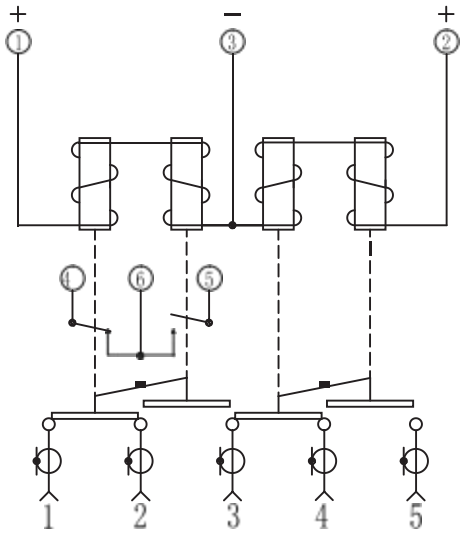
SPDT Latching+TTL



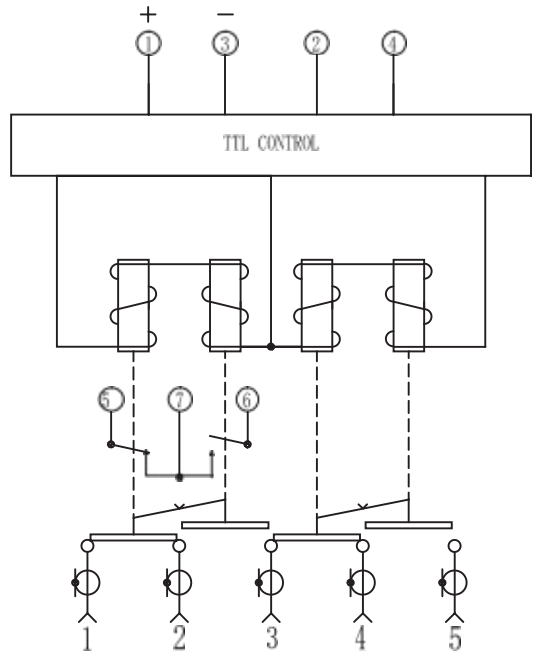
2P3T Failsafe+TTL



2P3T Failsafe



2P3T Latching



2P3T Latching+TTL

Switching method Load carrying		RF Channel	Pin definition	
			Pin	
			Motivation	Feedback
Failsafe	NO TTL	0→1	NC	6→4
		0→2	1:VDC, 3:GND	6→5
	TTL	0→1	NC	6→4
		0→2	1:VDC, 3:GND , 2:TTL	6→5
Latching	NO TTL	0→1	1:VDC, 3:GND	6→4
		0→2	2:VDC, 3:GND	6→5
	TTL	0→1	1:VDC, 3:GND , 2:TTL	7→5
		0→2	1:VDC, 3:GND , 4:TTL	7→6

Switching method 2P3T		RF Channel	Pin definition	
			Pin	
			Motivation	Feedback
Failsafe	NO TTL	1→2,3→4	NC	6→4
		2→3,4→5	3:GND, 1:VDC	6→5
	TTL	1→2,3→4	NC	6→4
		2→3,4→5	1:VDC, 3:GND,2:TTL	6→5
Latching	NO TTL	1→2,3→4	1:VDC, 3:GND	6→4
		2→3,4→5	2:VDC, 3:GND	6→5
	TTL	1→2,3→4	1:VDC, 3:GND,2:TTL	7→5
		2→3,4→5	1:VDC, 3:GND,4:TTL	7→6