

SPDT Switch DC-18GHz

Failsafe Type

Application

- . RF test and measurement
- . Broadband wireless
- . ATE (Automatic Test Equipment)

Features

- . RF signal hot switching power **2W**
- . Low insertions
- . High Isolation

RF SPEC.:

Frequency Range	DC-3GHz	3-6GHz	6-12.4GHz	12.4-18GHz
VSWR	<1.20	<1.30	<1.40	<1.50
Insertion Loss	<0.2dB	<0.3dB	<0.4dB	<0.5dB
Isolation	>80dB	>70dB	>60dB	>60dB
Power Handling(CW)	100W	70W	50W	40W

- RF Impedance: 50 ohm
- Operating Voltage: DC12V/240mA (Option:DC5V/480mA,DC24V/100mA,DC28V/110mA)
- Switching Time: <15ms
- Life:>1000000cycles
- Switching Sequence: Break Before Make
- Operating Temperature: -30 ~ +65℃ (Option -40 ~ +85℃)
- RF Interface: SMA female

P/N SPEC:

Series	Control Voltage	Frequency Range	TTL Function	Option Function
P/N: 1S2	☐ ☐	☐ ☐	☐	-V (Anti Vibration)
	☐ ☐	☐ ☐	☐ NO TTL	-W (Splash)
	☐ ☐ DC12V	☐ ☐ DC-3GHZ	☐ With TTL	
	☐ ☐ DC24V	☐ ☐ DC-6GHZ		
	☐ ☐ DC28V	☐ ☐ DC-12GHZ		
	☐ ☐ DC5V	☐ ☐ DC-18GHZ		

P/N Samples:



1S21203 (SPDT Failsafe Type/DC12V/DC-3GHZ)

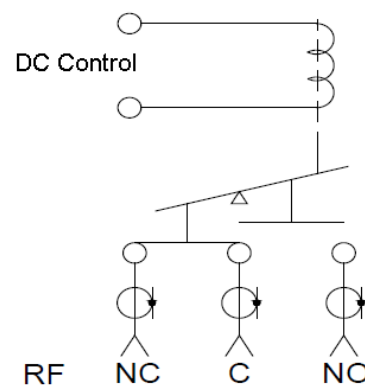
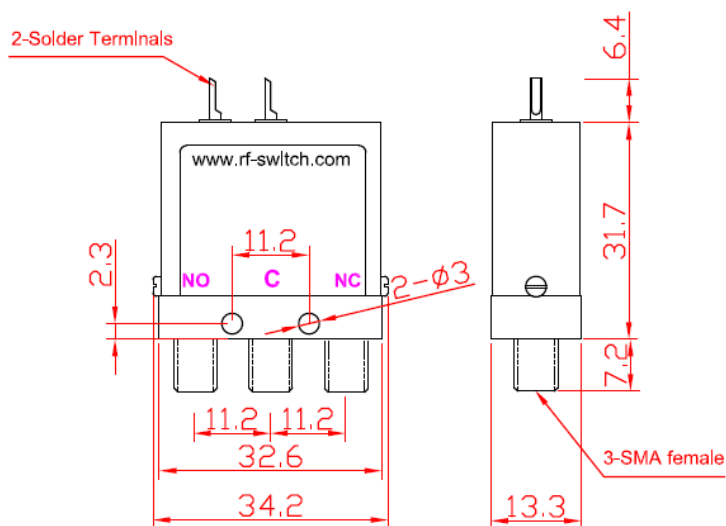
1S22418 (SPDT Failsafe Type/DC24V/DC-18GHZ)

1S21218T (SPDT Failsafe Type/DC12V/DC-18GHZ/With TTL Control)

1S21206T-V-W (SPDT Failsafe Type/DC12V/DC-18GHZ/With TTL Control/Anti Vibration/Splash)

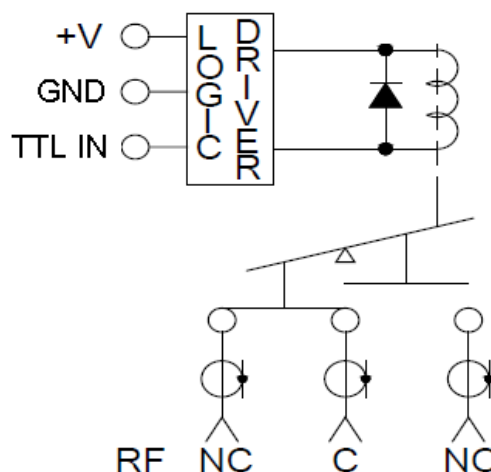
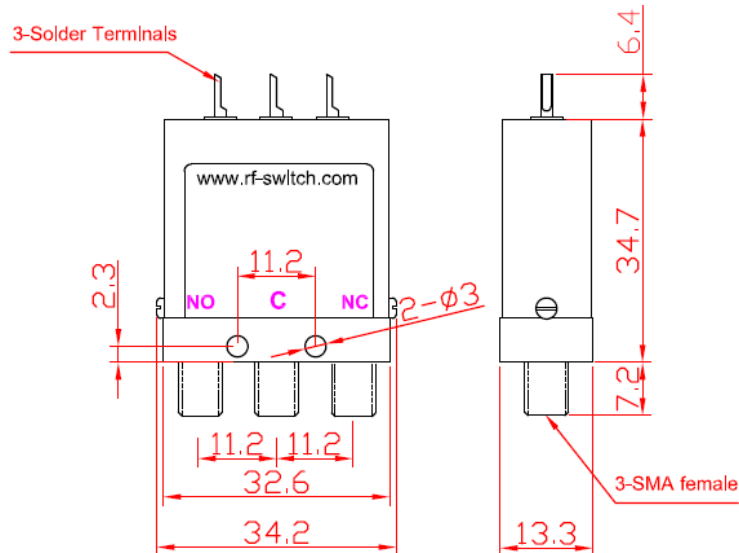
Outline Drawing & schematic (mm)

Voltage Control



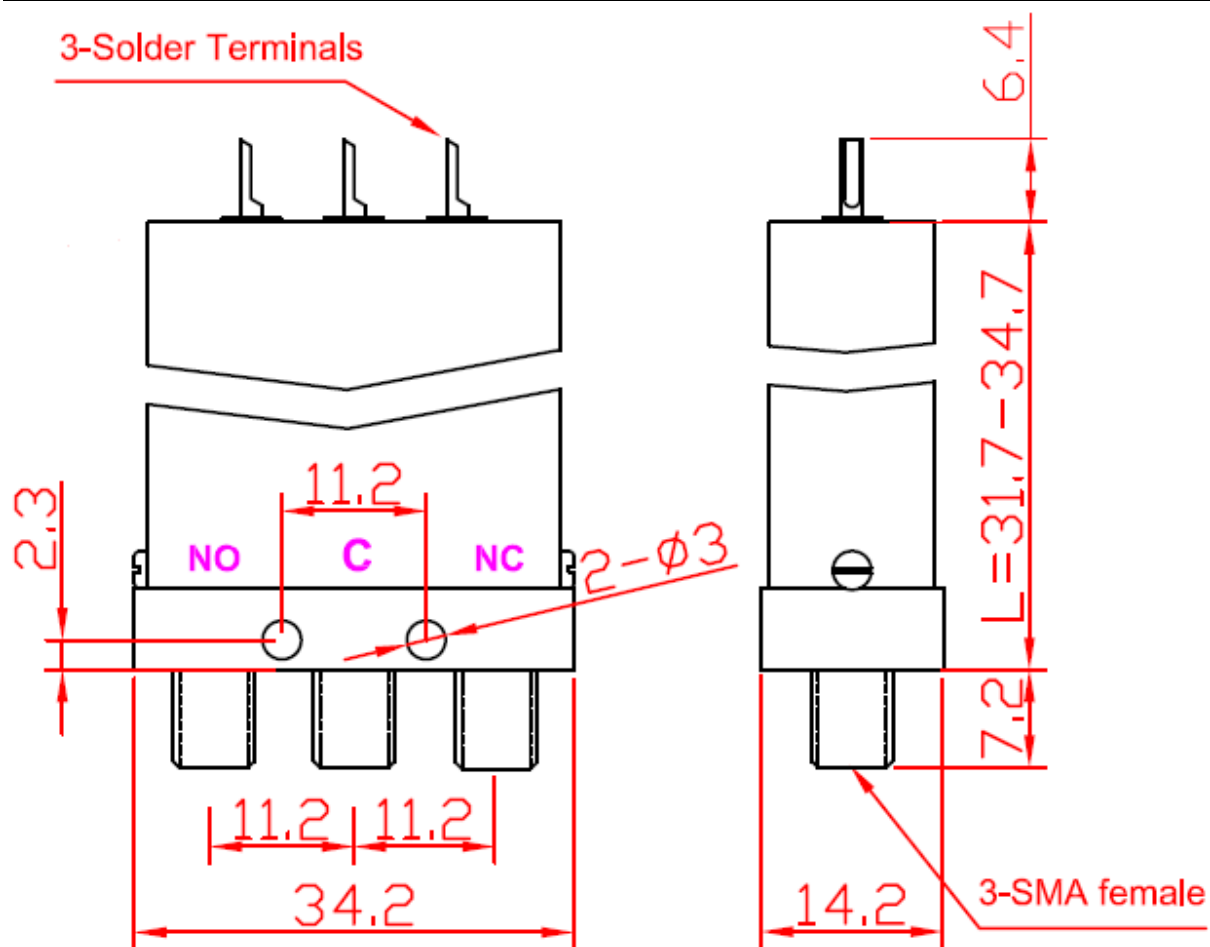
Control Voltage	C-NC	C-NO
DC=12V (or others)	OFF	ON
DC=0V	ON	OFF

With TTL Control



TTL IN	C-NC	C-NO
Logic "0" (0-0.8V)	ON	OFF
Logic "1" (2.5-5V)	OFF	ON

-W (Splash) Outline Drawing(mm):

**Remark:**

Voltage Control L=31.7mm
With TTL Control L=34.7mm