

SPDT Switch DC-18GHz

Latching Type

Application

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

Features

- . RF signal hot switching power **2W**
- . Pulse Latching
- . 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/230mA (Option:DC5V/500mA,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

产品编号定义:

Series	Control Voltage	Frequency Range	COM Polarity	TTL Function	Option Function
P/N: L1S2	☐ ☐	☐ ☐	☐ Negative	☐	-V (Anti Vibration)
	☐ 1 ☐ 2 DC12V	☐ 0 ☐ 3 DC-3GHZ	☐ R Positive	☐ NO TTL	-W (Splash)
	☐ 2 ☐ 4 DC24V	☐ 0 ☐ 6 DC-6GHZ		☐ T With TTL	
	☐ 2 ☐ 8 DC28V	☐ 1 ☐ 2 DC-12GHZ		☐ T ☐ S With TTL and self cut-off	
	☐ 0 ☐ 5 DC5V	☐ 1 ☐ 8 DC-18GHZ			



P/N Samples

L1S21203 (SPDT Latching Type/DC12V/DC-3GHZ/COM Port is Negative)

L1S21203R (SPDT Latching Type/DC12V/DC-3GHZ/COM Port is Positive)

L1S22403T (SPDT Latching Type/DC24V/DC-3GHZ/With TTL Control)

L1S22403TS (SPDT Latching Type/DC24V/DC-3GHZ/With TTL Control/With self cut-off Circuits)

L1S22412-V (SPDT Latching Type/DC24V/DC-12.4GHZ/Anti Vibration)

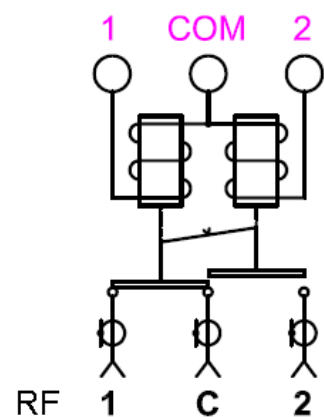
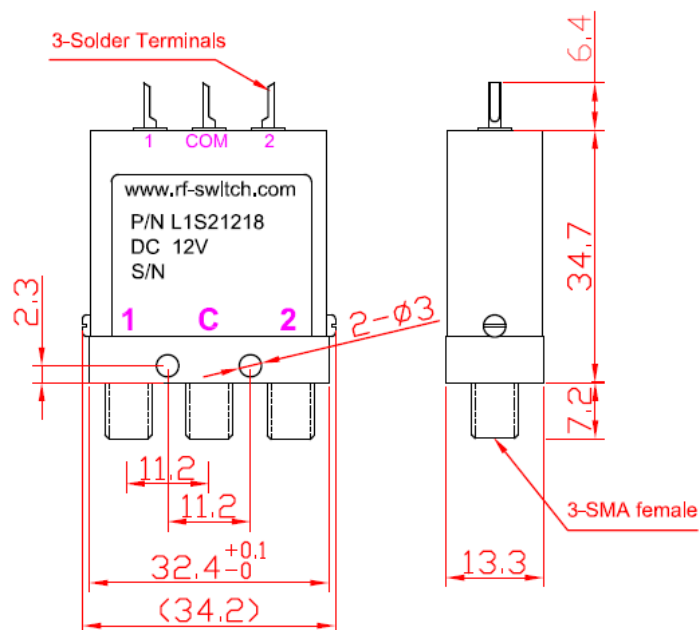
L1S22403T-V-W (SPDT Latching Type/DC24V/DC-3GHZ/With TTL Control/Anti Vibration/Splash)

Remark:

- 1) COM Port SPEC. Negative or Positive only for Voltage Control Type
- 2) Self cut-off Circuits Only for with TTL Control function
- 3) Splash Type has difference size with standard products

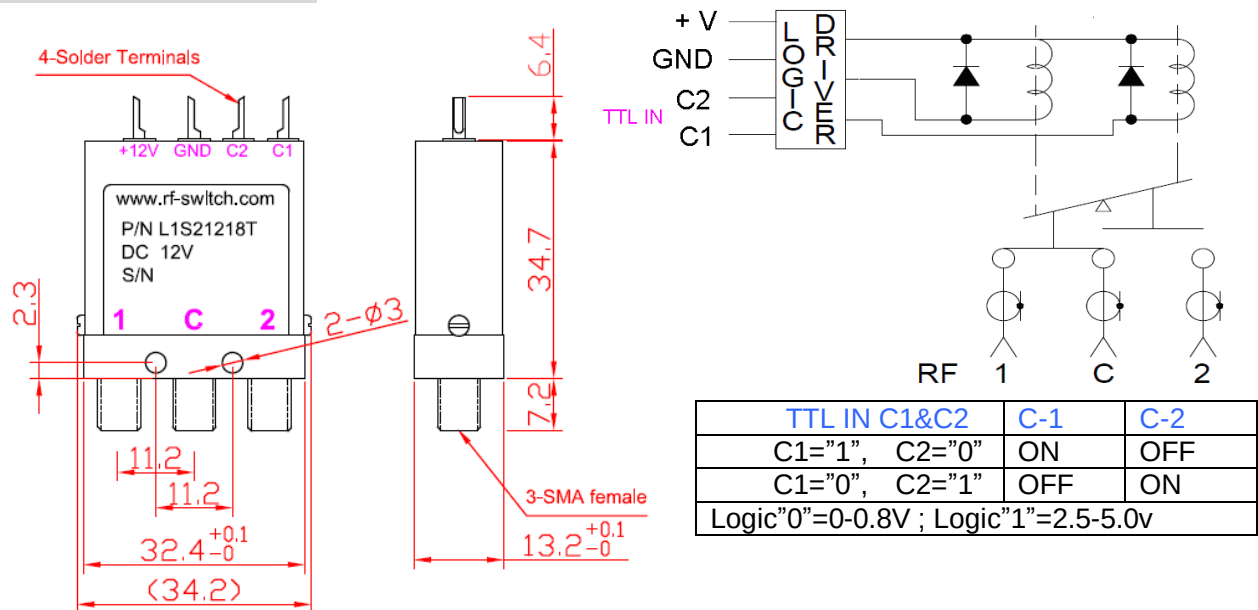
Outline Drawing & Schematic

Voltage Control



Control Voltage	RF C-1	RF C-2
C1=V , C2=0V	ON	OFF
C1=0V , C2=V	OFF	ON

With TTL Control



-W (Splash Type) Outline Drawing (mm)

