

SPDT Switch DC-18GHZ

Latching Type (自保持型)

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 (抗振动) -W (防水溅)
	☐ 1 ☐ 2 DC12V	☐ 0 ☐ 3 DC-3GHZ	☒ Positive	☐ NO TTL	
	☐ 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			



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产品编号示例：

L1S21203 (SPDT Latching Type/DC12V/DC-3GHZ/电压控制公共端为负极)

L1S21203R (SPDT Latching Type/DC12V/DC-3GHZ/电压控制公共端为正极)

L1S22403T (SPDT Latching Type/DC24V/DC-3GHZ/带 TTL 控制)

L1S22403TS (SPDT Latching Type/DC24V/DC-3GHZ/带 TTL 控制/带内部自关断电路功能)

L1S22412-V (SPDT Latching Type/DC24V/DC-12.4GHZ/抗振动)

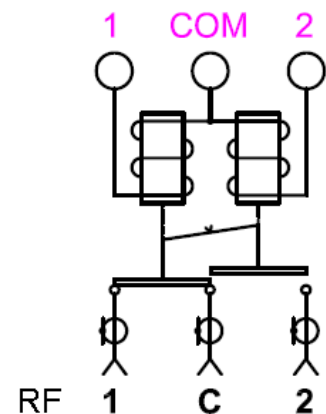
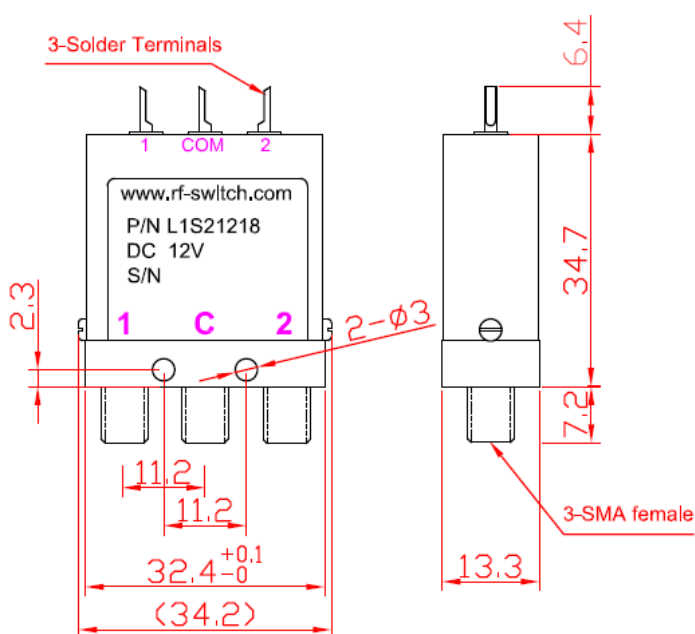
L1S22403T-V-W (SPDT Latching Type/DC24V/DC-3GHZ/带 TTL 控制/抗振动/防水溅)

说明：

- 1) 只有电压控制型产品，公共端才有正极、负极定义
- 2) 自关断功能：只有带 TTL 控制时才具备自关断功能，RF 开关切换到位后，内部自关断电路启动，开关线圈不再耗电
- 3) 防水溅型功能产品外形尺寸与通用产品有差异

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



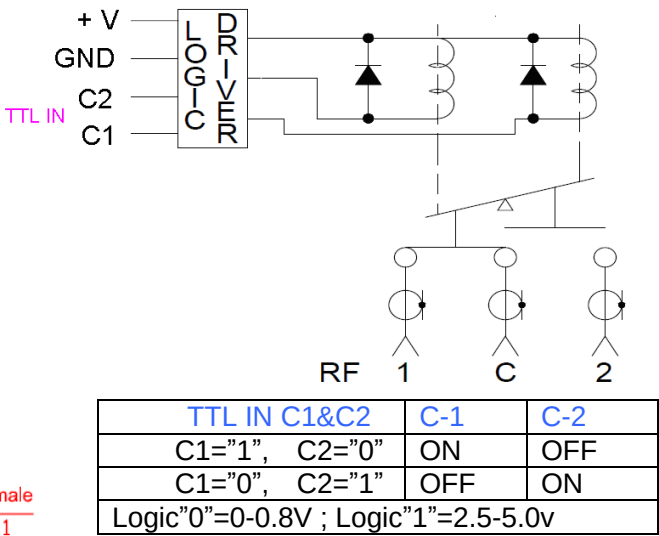
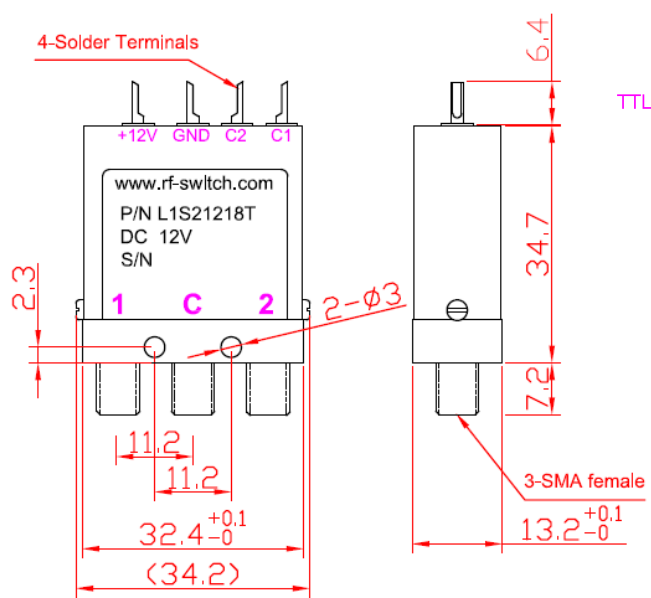
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With TTL Control



-W (防水溅)外形尺寸 (mm)



