

SPDT Switch DC-12.4GHz Latching Type N female

High Power Option

RF SPEC.

* Power handing: VSWR=1.1, @25℃, sea level, cold switch
Other Frequency 900W@32-100MHZ
3000W@32-100MHZ(High Power)

** High Power Type Frequency Range:DC-6GHZ (Up 6GHZ Pls.
Contact to factory)



Frequency Range		DC-500MHz	0.5-1GHz	1-2GHz	2-3GHz	3-6GHz	6-12.4GHz
VSWR		<1.05	<1.10	<1.15	<1.20	<1.35	<1.60
Insertion Loss		<0.08dB	<0.10dB	<0.15dB	<0.20dB	<0.40dB	<0.80dB
Isolation		>90dB	>85dB	>80dB	>80dB	>70dB	>60dB
Power Handing(CW)	Normal	400W	300W	240W	200W	150W	100W
	High Power**	1600W	1100W	750W	650W	450W	--

- . RF Impedance: 50 ohm
- . Operating Voltage: DC12V/300mA (DC24V/150mA) High Power:DC12V/300mA (DC24V/150mA)
- . Switching Time: <20ms
- . Life:>1000000cycles
- . Switching Sequence: Break Before Make
- . Operating Temperature: -30 ~ +65℃ (Option: -40 ~ +85℃)
- . RF Interface: N female

P/N SPEC.

Series	Control Voltage	Frequency Range	COM Polarity	TTL Function	Self cut-off Circuits	Indicator	Option Function
P/N: L1N2	☐ ☐	☐ ☐	☐ Negative	☐	☐	☐	-V (Anti Vibration)
L1HN2	☐ ☐	☐ ☐	☒ Positive	☐ NO TTL	☐ No	☐ No	-W (Splash)
	☐ ☐	☐ ☐		☒ 1CH TTL	☒ With	☒ With	
	☐ ☐	☐ ☐		☐ 2CH TTL			

L1HN2 is High Power Type

Note 1) No COM Port Polarity SPEC. for TTL Control

2) 1CH TTL Control type has same function with SPDT Failsafe Type(With TTL control)

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3) Self cut-off circuits: No power need after switching

P/N samples

L1N21203 (SPDT Latching Type/DC12V/DC-3GHZ/N female)

L1N22406T1-I (SPDT Latching Type/DC24V/DC-6GHZ/N female/1 Channel TTL Control/With Indicator)

L1N22406T2-S-I

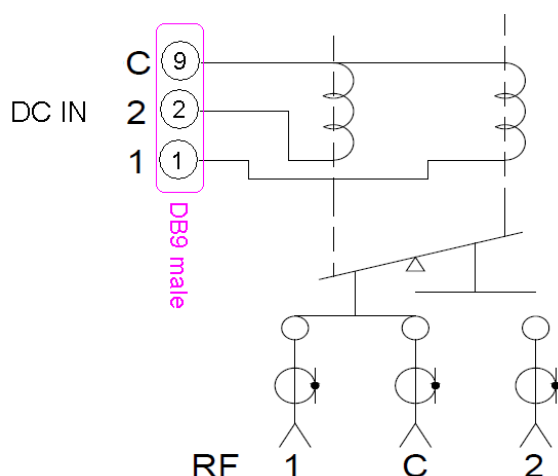
(SPDT Latching Type/DC24V/DC-6GHZ/N female/2 Channels TTL Control/With self cut-off circuits/With Indicator)

L1HN21206T1-V

(**High Power** SPDT Latching Type/DC12V/DC-6GHZ/N female/1 channel TTL Control/Anti Vibration)

SCHEMATIC

Voltage Control



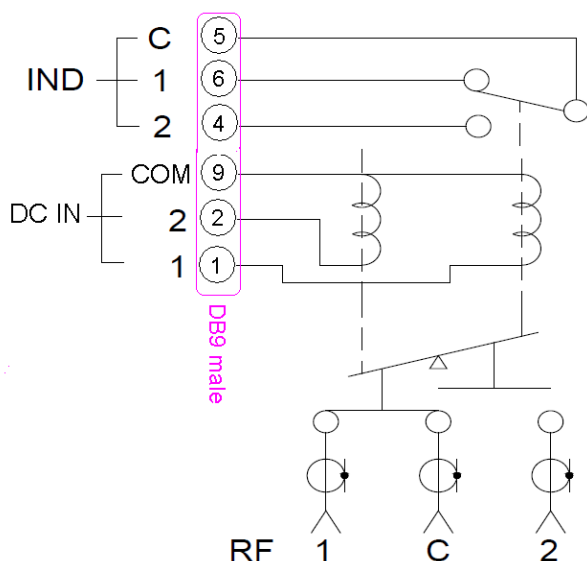
C –COM port (Pin9)

(This Port need SPEC. for Polarity)

1 (Pin1) ,2 (Pin2) Control Voltage Input Ports

DC IN	RF C-1	RF C-2
1-C=V,2-C=0V	ON	OFF
1-C=0V,2-C=V	OFF	ON

Voltage Control with Indicator



Voltage Control Part:

DC IN COM is COM Port (Pin9)

(This Port need SPEC. for Polarity)

DC IN 1 (Pin1) ,DC IN 2 (Pin2) are Control Voltage Input ports

IND (Indicator) Part:

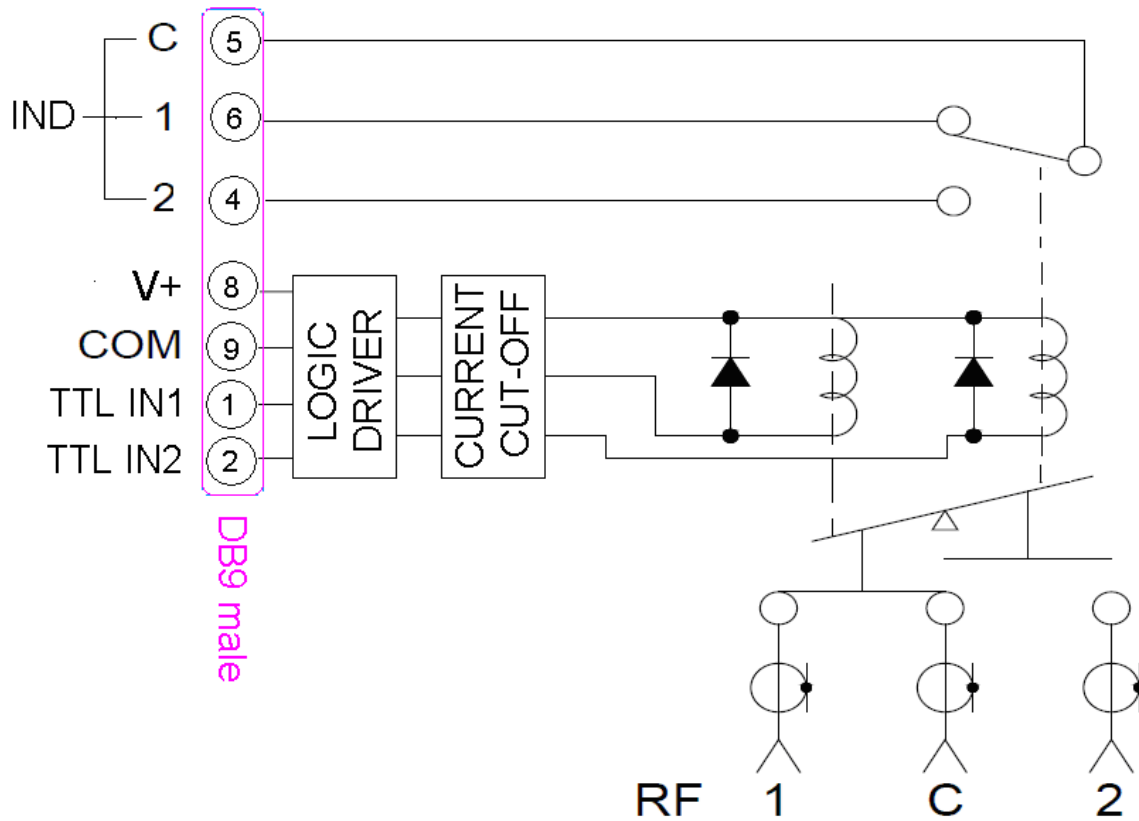
C (Pin5) is COM Port for Indicator

1 (Pin6) is "1" for Indicator

2 (Pin4) is "2" for Indicator

DC IN	RF C-1	RF C-2	IND	
1-C=V,2-C=0V	ON	OFF	C-1 ON	C-2 OFF
1-C=0V,2-C=V	OFF	ON	C-1 OFF	C-2 ON

2 Channels TTL Control with Indicator:



TTL IN	RF C-1	RF C-2	IND	
TTL IN1="1" ; TTL IN2="0"	ON	OFF	C-1 ON	C-2 OFF
TTL IN1="0"; TTL IN2="1"	OFF	ON	C-1 OFF	C-2 ON

Logic "1" =2.5-5.0V

Logic "0" =0-0.8V

DB9 male Pin SPEC. :

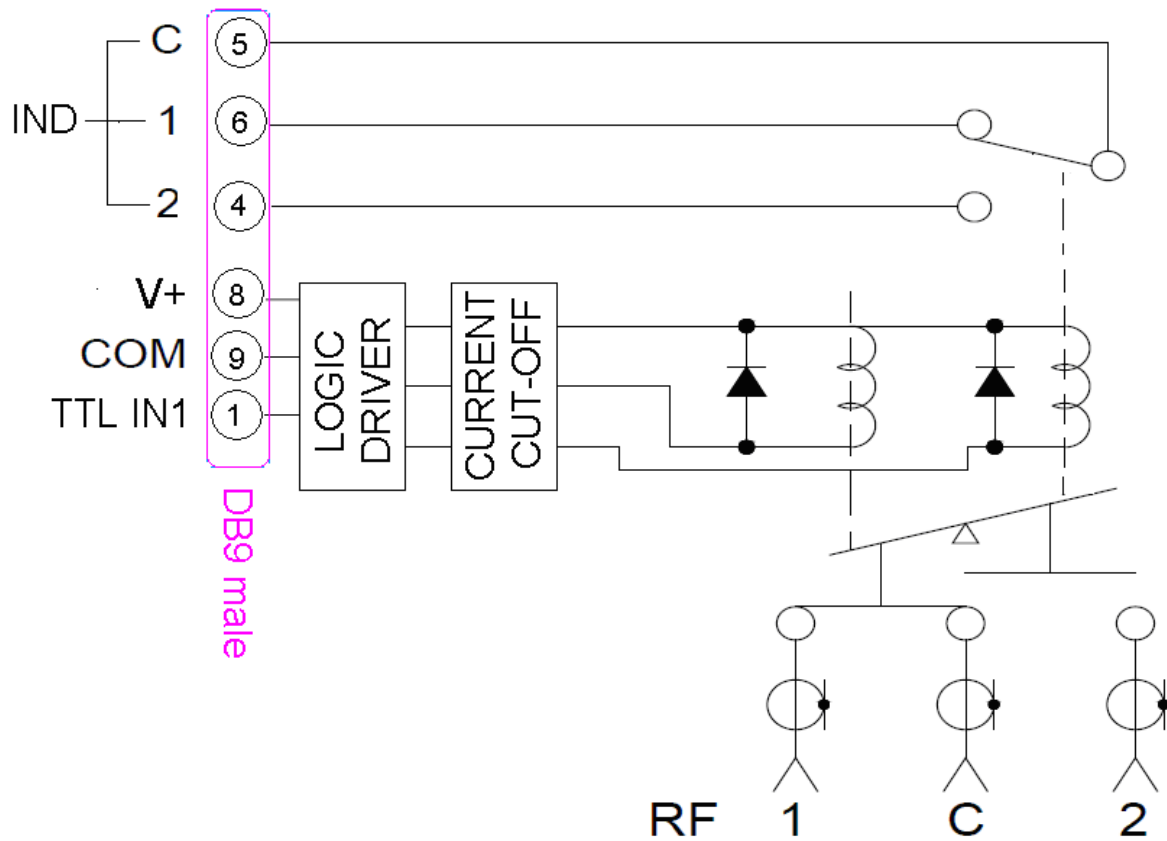
Pin1,2 PIN:TTL Logic Inputs

Pin9: COM RTN for TTL& Control Voltage

Pin8:Control Voltage Positive Port

Pin4,5,6:For Indicator

1 Channel TTL Control with Indicator:



TTL IN	RF C-1	RF C-2	IND	
TTL IN1="1"	ON	OFF	C-1 ON	C-2 OFF
TTL IN1="0"	OFF	ON	C-1 OFF	C-2 ON

Logic "1" =2.5-5.0V

Logic "0" =0-0.8V

DB9 male Pin SPEC. :

Pin1:TTL Logic Inputs

Pin9: COM RTN for TTL& Control Voltage

Pin8:Control Voltage Positive Port

Pin4,5,6:For Indicator

[illegible]