

# RF Switch(SP4T)



## WV-SP4T-NO-S-02

### Product Feature

- High Reliability
- RoHS Compliant
- DC ~ 26.5GHz Band System

### Electrical Specifications

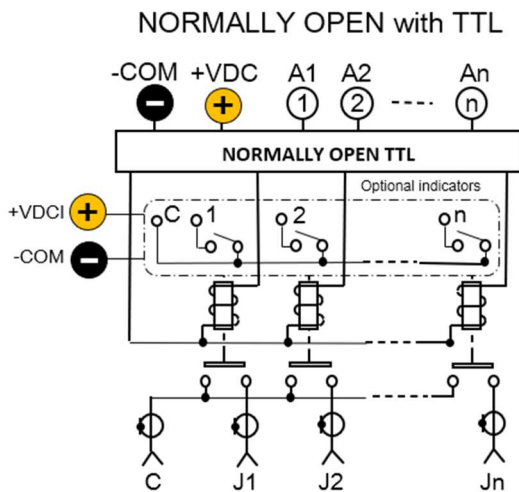
<b>Frequency Range</b>	DC ~ 6GHz	6 ~ 12GHz	12 ~ 18GHz	18 ~ 26.5GHz
<b>Insertion Loss</b>	0.3dB Max	0.4dB Max	0.5dB Max	0.5dB Max
<b>VSWR</b>	1.3:1 Max	1.4:1 Max	1.5:1 Max	1.5:1 Max
<b>Isolation</b>	70dB Min	60dB Min	60dB Min	60dB Min
<b>Power Handling</b>	80W Max	65W Max	50W Max	30W Max
<b>Power Supply Voltage</b>	Part Number : WV-SP4T-NO-S-02-N1 : +12V Part Number : WV-SP4T-NO-S-02-N2 : +24V Part Number : WV-SP4T-NO-S-02-N3 : +28V			
<b>Power Supply Current</b>	290mA @ +12V 150mA @ +24V 140mA @ +28V			
<b>In/Out Impedance</b>	50 ohms Nominal			
<b>Operating Mode</b>	Normally Open(without Termination)			
<b>Switching Time</b>	15mS			
<b>Special Options</b>	DB9(D-SUB); TTL control logic			
<b>Operating Life</b>	1,000,000 Hours			

### Environmental Specifications

<b>Operating Temperature Range</b>	-25°C to +65°C
<b>RF Contacts</b>	Break before make

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## ELECTRICAL SCHEMATIC



## Interface(D-SUB 9PIN Female)

1	A1(J1-COM)
2	A2(J2-COM)
4	A4(J4-COM)
5	A5(J5-COM)
7	COM-
9	+VDC
others	Unused

## 1PnT Port Configurations

<b>1PnT</b>	Ports Used					
<b>1P4T</b>	1	2	-	4	5	-

## Logic Truth Table

NORMALLY OPEN with TTL

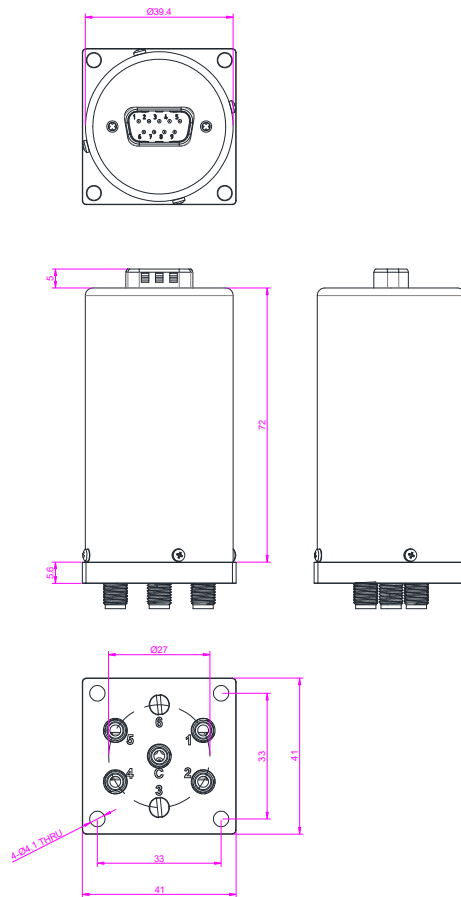
RF PATH	A(n)	+VDC	COM
J(n)-C	1	Rated +V	GND
J(n) Open	0	Rated +V	GND

## Mechanical Specifications

<b>Dimension</b>	41.0 x 41.0 x 72.0 (Unit:mm), General Tolerance +/-0.5mm
<b>Mounting Points</b>	See Outline Drawing
<b>RF Connector</b>	SMA Female Connector
<b>Connector Position</b>	See Outline Drawing

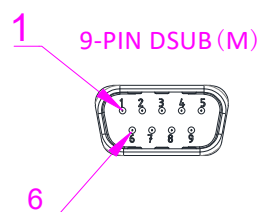
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## Outline Drawing



**H = 72mm(max) with TTL**

**Note: 1. TTL logic: low "0"=0.0V-0.8V; high "1"=2.4V-5.5V**



**Dsub arrangements**