

SP9T-10T N 6GHz

High Power

Normally open

◆ RF Characteristics

Frequency (GHz)	Ins.loss (dB)	Isolation (dB)	VSWR	RF Power CW (W)
DC-4	0.3	70	1.3	350
4-6	0.4	70	1.6	300

◆ Operating Voltage/Coil Current

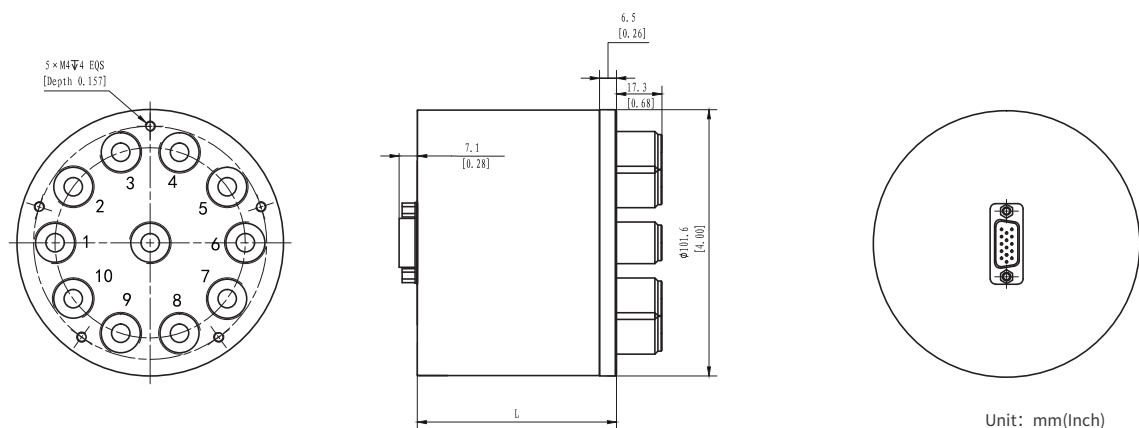
Operating Voltage(V)		12	24	28
Coil Current (mA)	Normally open	300	150	140

* It can be selected according to user requirements

TTL	TTL Low(V)	TTL High	
	0-0.3	3~5V	1.4mA
Indicators	Withstand Voltage V (max)	Current capacity mA(max)	Resistance Ω (max)
	50	100	15

* Connect VDC & GND before the function operates

◆ Outline Drawing



L = 76(Non TTL/TTL/Indicators)



◆ Product Functions

- DC to 6GHz
- Low loss, Low VSWR, High Isolation
- N Female Connector
- Selectable TTL driver control

◆ Specifications

Switching Sequence: Break before Make

Switching Time: 15ms max

Storage temperature: -55°C~85°C

Operating temperature: -25°C~65°C(Standard)
-45°C~85°C(Extended1)
-55°C~85°C(Extended2)

Mechanical Life Cycles: 2 million cycles

RF Connectors: N Female

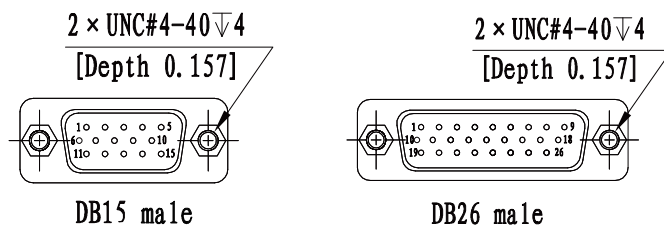
Impedance: 50 Ω

Mechanical Shock,Non-Operating: 50G、1/2 Sine、11 ms

Vibration Operating: 20-2000 Hz、10G RMS

Actuator Terminals: D-SUB 15Pin Male

Weight: 2010g



* No indication function, control interface DB15 Male.

◆ Truth Table

Normally open Non TTL					Normally open TTL				
Actuator Terminals		RF Connector			Actuator Terminals		RF Connector		
D-SUB 15/26Pin Male					D-SUB 15/26Pin Male				
Pin No.	Define	SP7T	SP8T		Pin No.	Define	SP7T	SP8T	
1	V1	RF 1-0	RF 1-0		1	TTL	RF 1-0	RF 1-0	
2	V2	RF 2-0	RF 2-0		2	TTL	RF 2-0	RF 2-0	
3	V3	RF 3-0	RF 3-0		3	TTL	RF 3-0	RF 3-0	
4	V4	RF 4-0	RF 4-0		4	TTL	RF 4-0	RF 4-0	
5	V5	RF 5-0	RF 5-0		5	TTL	RF 5-0	RF 5-0	
6	V6	RF 6-0	RF 6-0		6	TTL	RF 6-0	RF 6-0	
7	V7	RF 7-0	RF 7-0		7	TTL	RF 7-0	RF 7-0	
8	V8	-	RF 8-0		8	TTL	-	RF 8-0	
9	GND	-	-		9	VDC	-	-	
10	Ind.1	Indicators	RF 1-0	RF 1-0	10	GND	-	-	
11	Ind.2		RF 2-0	RF 2-0	11	Ind.1	Indicators	RF 1-0	RF 1-0
12	Ind.3		RF 3-0	RF 3-0	12	Ind.2		RF 2-0	RF 2-0
13	Ind.4		RF 4-0	RF 4-0	13	Ind.3		RF 3-0	RF 3-0
14	Ind.5		RF 5-0	RF 5-0	14	Ind.4		RF 4-0	RF 4-0
15	Ind.6		RF 6-0	RF 6-0	15	Ind.5		RF 5-0	RF 5-0
16	Ind.7		RF 7-0	RF 7-0	16	Ind.6		RF 6-0	RF 6-0
17	Ind.8		-	RF 8-0	17	Ind.7		RF 7-0	RF 7-0
18	Ind.com		-	-	18	Ind.8		-	RF 8-0
19	VDC		-	-	19	Ind.com		-	-
20~26	N/A		-	-	20~26	N/A		-	-

◆ Product Selection

Series	Number Of Positions	Rf Connectors	Type	Frequency	Actuator Voltage	Terminated	Driver	Operating Temperature	Install	Control connector
E:Standard Series	9:SP9T K:SP10T	N	N	06	05:5V 12:12V 24:24V 28:28V	W		0:Standard (-25°C~65°C) 1:Extended1 (-45°C~85°C) 2:Extended2 (-55°C~85°C)	S	2:D-Sub 15 Male (3 rows) 5:D-Sub 26 Male (3 rows)
		N	Normally Open	DC~6GHz		No Terminated			Normal	
							0:Negative common 1:TTL Driver 2:Positive Common 4:Negative common And Indicators 5:TTL driver And Indicators 6:Positive Common And Indicators			

★ EXP: E9NN0612W00S2: Standard Series、SP9T、N、Normally Open、DC~6GHz、12V、Non Terminated、Negative common、Standard、Normal、D-Sub 15 Male.