

Product: Coaxial switch

Part Number: LSP7T-8T18Ghz



## Normally open

- DC to 18GHz
- Low loss, Low VSWR, High Isolation • SMA Connector
- Selectable TTL driver control

Specification					
No.	Frequency(Ghz)	Insertion loss(dB)	Isolation(dB)	VSWR	Powercw(w)
1	DC-6	0.3	70	1.3	80
2	6-12	0.4	60	1.4	60
3	12-18	0.5	55	1.5	50
Operating Voltage/Coil Current					
No.	Operating Voltage(V)		I2	24	28
1	Coil Current (mA)	Normally open	300	150	140
No.	TTL	TTL Low (v)	TTL high (v)		
2		0-0.3	3-5	1.4mA	
No.	Indicators	Withstand Voltage V (max)	Current capacity mA(max)		Resistance Ω (max)
3		50	100		15

### Remarks:

Operating Voltage/Coil Current can be selected according to user requirements. Connect VDC &GND before the function operates

Environmental Specifications			
<b>Switching Sequence:</b>	Break before Make	<b>Switching Time:</b>	15ms max
<b>Storage temperature:</b>	-55℃~85℃	<b>Mechanical Life Cycles:</b>	2 million cycles
<b>Operating temperature:</b>	-25℃~65℃(Standard)	<b>RF Connectors:</b>	SMA Female
	-45℃ ~85℃(Extended1)	<b>Weight:</b>	145g
<b>Impedance:</b>	50Ω	Mechanical Shock,	50G、1/2 Sine、11 ms
		Non-Operating:	
<b>Vibration Operating:</b>	20-2000 Hz、10G RMS	Actuator Terminals:	D-SUB 15/26Pin Male

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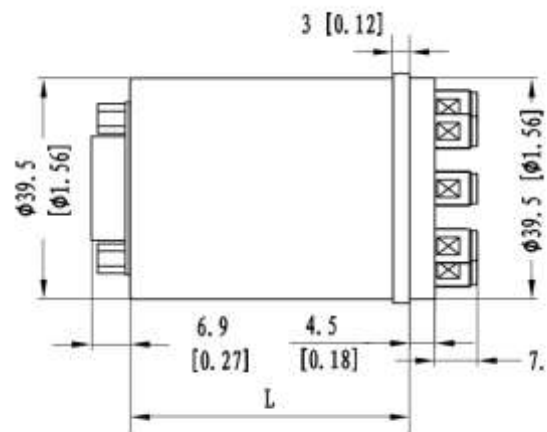
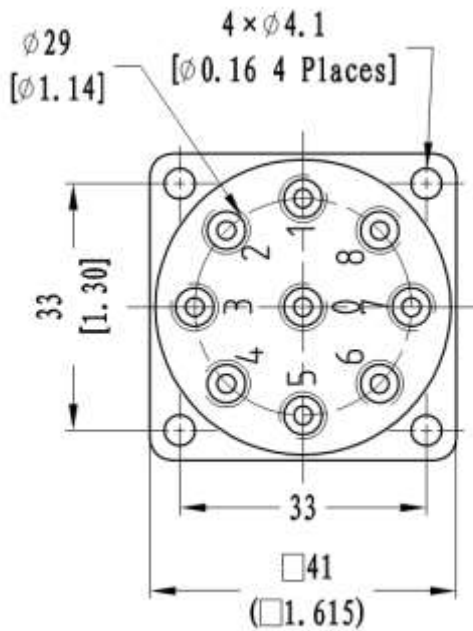
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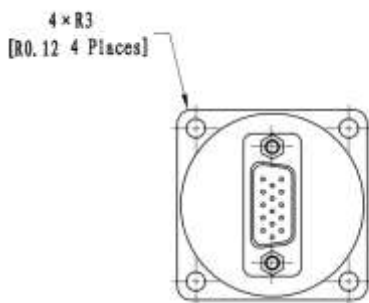
**Mechanical Specifications**

**Outline Drawing:**

All Dimensions in mm (inch)  
Outline Tolerances  $\pm 0.5(0.02)$   
Mounting Holes Tolerances  $\pm 0.2(0.008)$   
All Connectors: SMA-Female

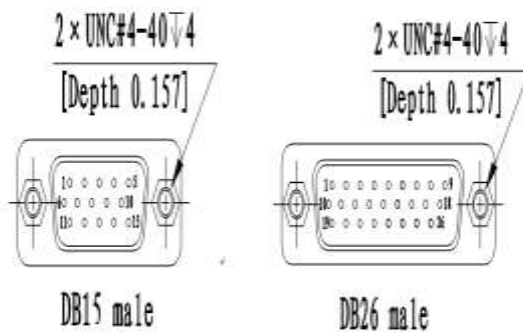


L = 50(Non TTL/TTL/Indicators)



6 [0.30]

Unit: mm(Inch)



\* Note: No indication function, control interface DB15 Male.\*

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Note: No indication function, control interface DB15 Male.

Truth Table

Normally open Non TTL							
Actuator Terminals			RF Connector				
D-SUB 15Pin Male							
Pin No.	Define		SP7T	SP8T	SP5T	SP6T	
1	V1		RF 1-0	RF 1-0	RF 1-0	RF 1-0	
2	V2		RF 2-0	RF 2-0	RF 2-0	RF 2-0	
3	V3		RF 3-0	RF 3-0	RF 3-0	RF 3-0	
4	V4		RF 4-0	RF 4-0	RF 4-0	RF 4-0	
5	V5		RF 5-0	RF 5-0	RF 5-0	RF 5-0	
6	V6		RF 6-0	RF 6-0	-	RF 6-0	
7	V7		RF 7-0	RF 7-0	-	-	
8	V8	-	RF 8-0	-	RF 1-0	RF 1-0	
9	GND	-	-	RF 2-0	RF 2-0	RF 2-0	
10	Ind.1	Indicators	RF 1-0	RF 1-0	RF 3-0	RF 3-0	
11	Ind.2		RF 2-0	RF 2-0	RF 4-0	RF 4-0	
12	Ind.3		RF 3-0	RF 3-0	RF 5-0	RF 5-0	
13	Ind.4		RF 4-0	RF 4-0	-	RF 6-0	
14	Ind.5		RF 5-0	RF 5-0	-	-	
15	Ind.6		RF 6-0	RF 6-0	-	-	
16	Ind.7			RF 7-0	RF 7-0		
17	Ind.8			-	RF 8-0		
18	Ind.com		-	-			
19	VDC		-	-			
20~26	N/A	-	-				

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Normally open TTL						
Actuator Terminals			RF Connector			
D-SUB 15Pin Male						
Pin No.	Define		SP7T	SP8T	SP5T	SP6T
1	TTL		RF 1-0	RF 1-0	RF 1-0	RF 1-0
2	TTL		RF 2-0	RF 2-0	RF 2-0	RF 2-0
3	TTL		RF 3-0	RF 3-0	RF 3-0	RF 3-0
4	TTL		RF 4-0	RF 4-0	RF 4-0	RF 4-0
5	TTL		RF 5-0	RF 5-0	RF 5-0	RF 5-0
6	TTL		RF 6-0	RF 6-0	-	RF 6-0
7	TTL		RF 7-0	RF 7-0	-	-
8	TTL		-	RF 8-0	-	-
9	VDC	Indicators	-	-	RF 1-0	RF 1-0
10	GND		-	RF 2-0	RF 2-0	RF 2-0
11	Ind.1		RF 1-0	RF 1-0	RF 3-0	RF 3-0
12	Ind.2		RF 2-0	RF 2-0	RF 4-0	RF 4-0
13	Ind.3		RF 3-0	RF 3-0	RF 5-0	RF 5-0
14	Ind.4		RF 4-0	RF 4-0	-	RF 6-0
15	Ind.5		RF 5-0	RF 5-0	-	-
16	Ind.6		RF 6-0	RF 6-0		
17	Ind.7	RF 7-0	RF 7-0			
18	Ind.8		-	RF 8-0		
19	Ind.com		-	-		
20~26	N/A	-	-			

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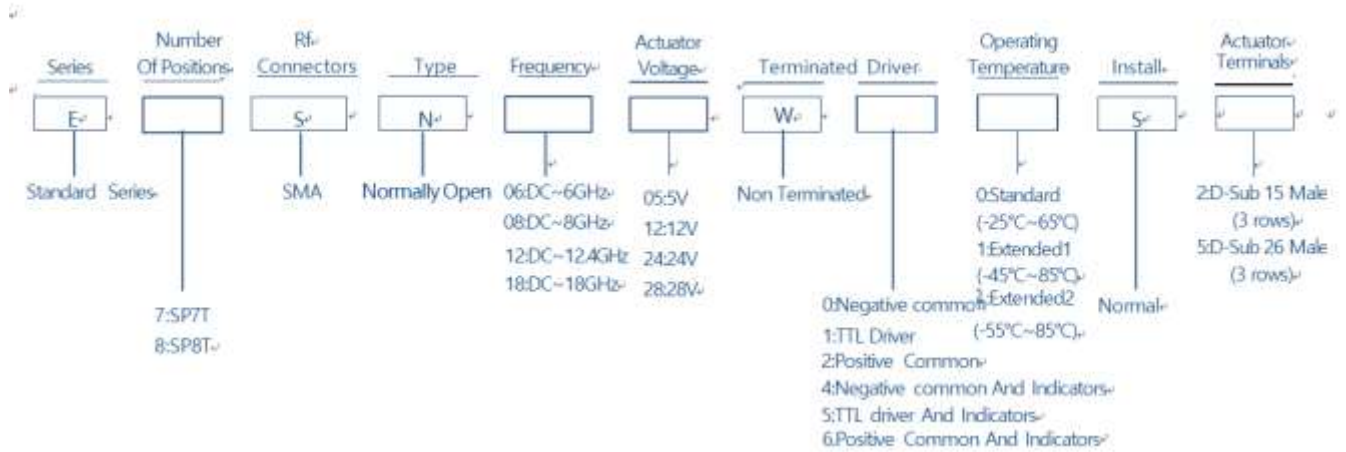
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## Product Selection



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