

Product: Coaxial switch

Part Number: LSP11T-12T18Ghz



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 | 0.6 | 50 | 1.6 | 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 | 3-5V | 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 | | | |
|-------------------------------|----------------------|--------------------------------|---------------------|
| Switching Sequence: | Break before Make | Switching Time: | 15ms max |
| Storage temperature: | -55℃~85℃ | Mechanical Life Cycles: | 2 million cycles |
| Operating temperature: | -25℃~65℃(Standard) | RF Connectors: | SMA Female |
| | -45℃ ~85℃(Extended1) | Weight: | 145g |
| Impedance: | 50Ω | Mechanical Shock, | 50G、1/2 Sine、11 ms |
| | | Non-Operating: | |
| Vibration Operating: | 20-2000 Hz、10G RMS | Actuator Terminals: | D-SUB 15/26Pin Male |

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Mechanical Specifications

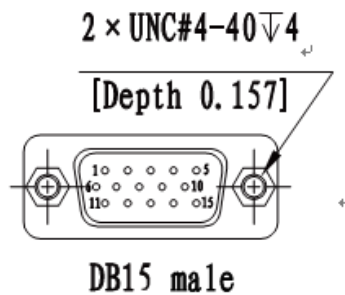
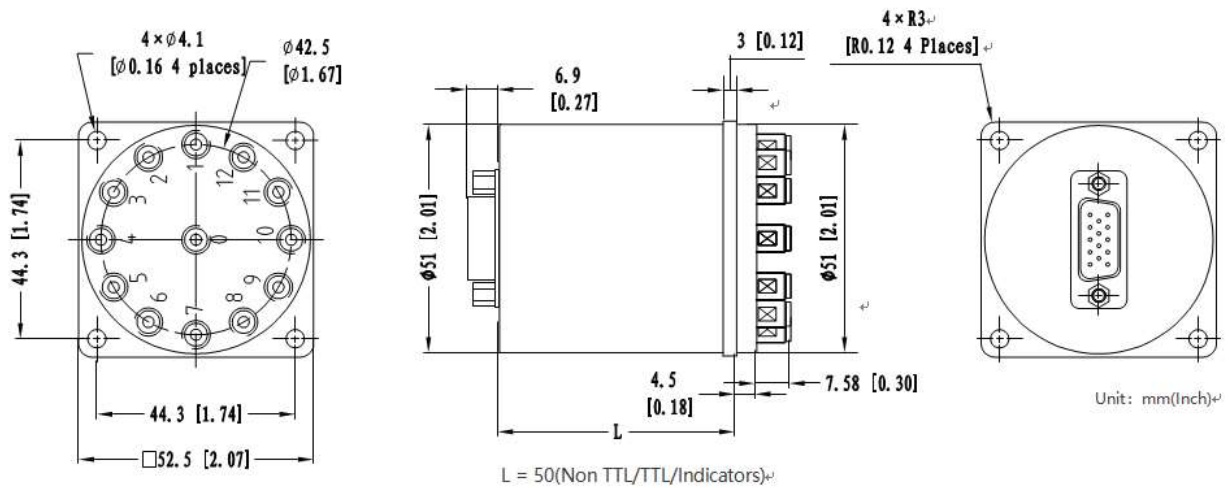
Outline Drawing:

All Dimensions in mm (inch)

Outline Tolerances $\pm 0.5(0.02)$

Mounting Holes Tolerances $\pm 0.2(0.008)$

All Connectors: SMA-Female



Note: No indication function, control interface DB15 Male.

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Truth Table

| Normally open Non TTL | | | |
|-----------------------|--------|--------------|---------|
| Actuator Terminals | | RF Connector | |
| D-SUB 15Pin Male | | | |
| Pin No. | Define | SP11T | SP12T |
| 1 | V1 | RF 1-0 | RF 1-0 |
| 2 | V2 | RF 2-0 | RF 2-0 |
| 3 | V3 | RF 3-0 | RF 3-0 |
| 4 | V4 | RF 4-0 | RF 4-0 |
| 5 | V5 | RF 5-0 | RF 5-0 |
| 6 | V6 | RF 6-0 | RF 6-0 |
| 7 | V7 | RF 7-0 | RF 7-0 |
| 8 | V8 | RF 8-0 | RF 8-0 |
| 9 | V9 | RF 9-0 | RF 9-0 |
| 10 | V10 | RF 10-0 | RF 10-0 |
| 11 | V11 | RF 11-0 | RF 11-0 |
| 12 | V12 | - | RF 12-0 |
| 13 | GND | - | - |
| 14~15 | N/A | - | - |

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| Normally open TTL | | | |
|--------------------|--------|--------------|---------|
| Actuator Terminals | | RF Connector | |
| D-SUB 15Pin Male | | | |
| Pin No. | Define | SP11T | SP12T |
| 1 | TTL | RF 1-0 | RF 1-0 |
| 2 | TTL | RF 2-0 | RF 2-0 |
| 3 | TTL | RF 3-0 | RF 3-0 |
| 4 | TTL | RF 4-0 | RF 4-0 |
| 5 | TTL | RF 5-0 | RF 5-0 |
| 6 | TTL | RF 6-0 | RF 6-0 |
| 7 | TTL | RF 7-0 | RF 7-0 |
| 8 | TTL | RF 8-0 | RF 8-0 |
| 9 | TTL | RF 9-0 | RF 9-0 |
| 10 | TTL | RF 10-0 | RF 10-0 |
| 11 | TTL | RF 11-0 | RF 11-0 |
| 12 | TTL | - | RF 12-0 |
| 13 | VDC | - | - |
| 14 | GND | - | - |
| 15 | N/A | - | - |

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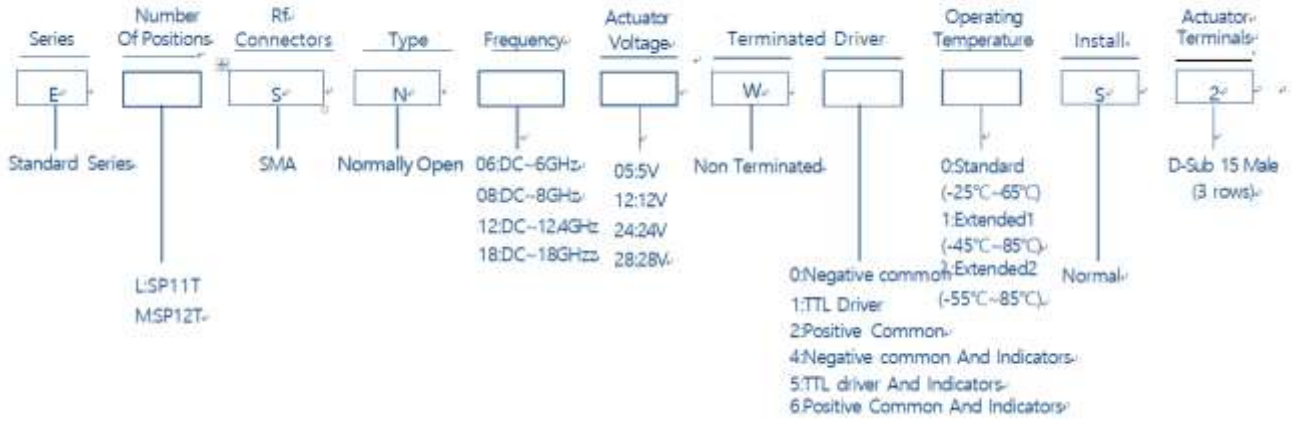
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Product Selection



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