

# SP6T SC 6GHz

## High Power

## Normally open

### ◆ RF Characteristics

| Frequency (GHz) | Ins.loss (dB) | Isolation (dB) | VSWR | RF Power CW (W) |
|-----------------|---------------|----------------|------|-----------------|
| DC-6            | 0.3           | 70             | 1.3  | 650             |



### ◆ 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 |

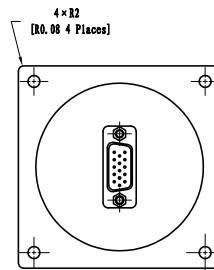
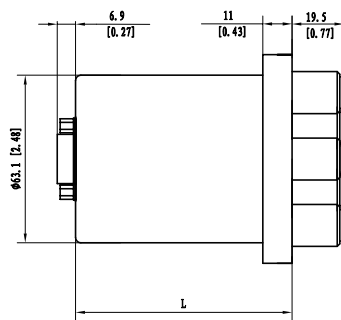
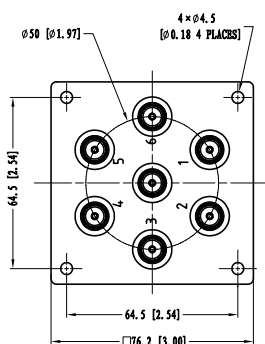
| Indicators | Withstand Voltage V (max) | Current capacity mA(max) | Resistance Ω (max) |
|------------|---------------------------|--------------------------|--------------------|
|            | 50                        | 100                      | 15                 |

\* Connect VDC & GND before the function operates

### ◆ Product Functions

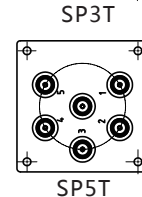
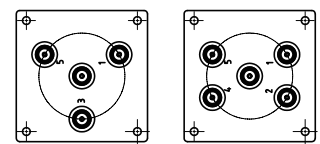
- DC to 6GHz
- Low loss, Low VSWR, High Isolation
- SC Female Connector
- Selectable TTL driver control

### ◆ Outline Drawing



Unit: mm(Inch)

L = 81.5(Non TTL/TTL/Indicators)



### ◆ 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: SC Female

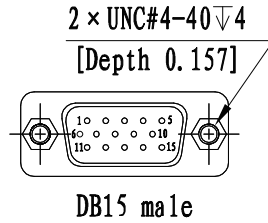
Impedance: 50Ω

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

Vibration Operating: 20-2000 Hz、10G RMS

Actuator Terminals: D-SUB 15Pin Male

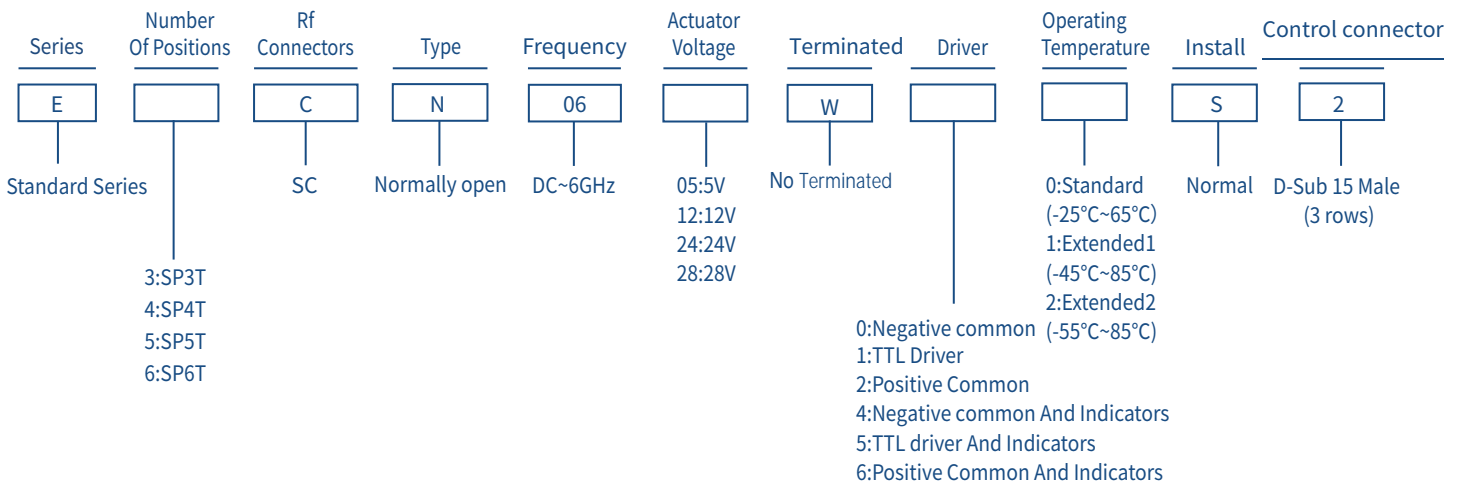
Weight: 700g



◆ Truth Table

| Normally open Non TTL |         |              |        |        |        | Normally open TTL  |         |              |        |        |        |
|-----------------------|---------|--------------|--------|--------|--------|--------------------|---------|--------------|--------|--------|--------|
| Actuator Terminals    |         | RF Connector |        |        |        | Actuator Terminals |         | RF Connector |        |        |        |
| D-SUB 15Pin Male      |         |              |        |        |        | D-SUB 15Pin Male   |         |              |        |        |        |
| Pin No.               | Define  | SP3T         | SP4T   | SP5T   | SP6T   | Pin No.            | Define  | SP3T         | SP4T   | SP5T   | SP6T   |
| 1                     | V1      | RF 1-0       | -      | RF 1-0 | RF 1-0 | 1                  | TTL     | RF 1-0       | -      | RF 1-0 | RF 1-0 |
| 2                     | V2      | -            | RF 2-0 | RF 2-0 | RF 2-0 | 2                  | TTL     | -            | RF 2-0 | RF 2-0 | RF 2-0 |
| 3                     | V3      | RF 3-0       | RF 3-0 | RF 3-0 | RF 3-0 | 3                  | TTL     | RF 3-0       | RF 3-0 | 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 | RF 5-0 | RF 5-0 | 5                  | TTL     | RF 5-0       | RF 5-0 | RF 5-0 | RF 5-0 |
| 6                     | V6      | -            | RF 6-0 | -      | RF 6-0 | 6                  | TTL     | -            | RF 6-0 | -      | RF 6-0 |
| 7                     | GND     | -            | -      | -      | -      | 7                  | VDC     | -            | -      | -      | -      |
| 8                     | Ind.1   | RF 1-0       | -      | RF 1-0 | RF 1-0 | 8                  | GND     | -            | -      | -      | -      |
| 9                     | Ind.2   | -            | RF 2-0 | RF 2-0 | RF 2-0 | 9                  | Ind.1   | RF 1-0       | -      | RF 1-0 | RF 1-0 |
| 10                    | Ind.3   | RF 3-0       | RF 3-0 | RF 3-0 | RF 3-0 | 10                 | Ind.2   | -            | RF 2-0 | RF 2-0 | RF 2-0 |
| 11                    | Ind.4   | -            | -      | RF 4-0 | RF 4-0 | 11                 | Ind.3   | RF 3-0       | RF 3-0 | RF 3-0 | RF 3-0 |
| 12                    | Ind.5   | RF 5-0       | RF 5-0 | RF 5-0 | RF 5-0 | 12                 | Ind.4   | -            | -      | RF 4-0 | RF 4-0 |
| 13                    | Ind.6   | -            | RF 6-0 | -      | RF 6-0 | 13                 | Ind.5   | RF 5-0       | RF 5-0 | RF 5-0 | RF 5-0 |
| 14                    | Ind.com | -            | -      | -      | -      | 14                 | Ind.6   | -            | RF 6-0 | -      | RF 6-0 |
| 15                    | VDC     | -            | -      | -      | -      | 15                 | Ind.com | -            | -      | -      | -      |

◆ Product Selection



★ EXP: E3CN0605W00S2: Standard Series、SP3T、SC、Normally open、DC~6GHz、5V、Non Terminated、Negative common、Standard、Normal、D-Sub 15 Male.