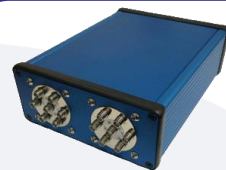


## SP3T to SP6T Electromechanical Switch

Normally Open , DC to 18 GHz, SMA, TTL, D-SUB

### 电气参数 Electrical Characteristics:

| 参数Parameter                     | 指标 Value                |
|---------------------------------|-------------------------|
| 频率范围 Frequency Range            | DC-18 GHz               |
| 阻抗 RF Impedance                 | 50 Ohms                 |
| 开关模式 Operation Mode             | Normally Open           |
| TTL 电压 TTL Voltage              | 0-0.8 V(OFF)2.4-5 V(ON) |
| 开关顺序 Switch Sequence            | Break before make       |
| 切换时间 Switching time             | 15 ms Max               |
| 开关寿命 Standard Actuator Life     | 2 million Min           |
| 驱动电压 Actuator Voltage Available | 12      24      28 V    |
| 驱动电流 Actuator current           | 300    150    130 mA    |



Available with USB & Ethernet Control!

### 射频特性 RF Specifications:

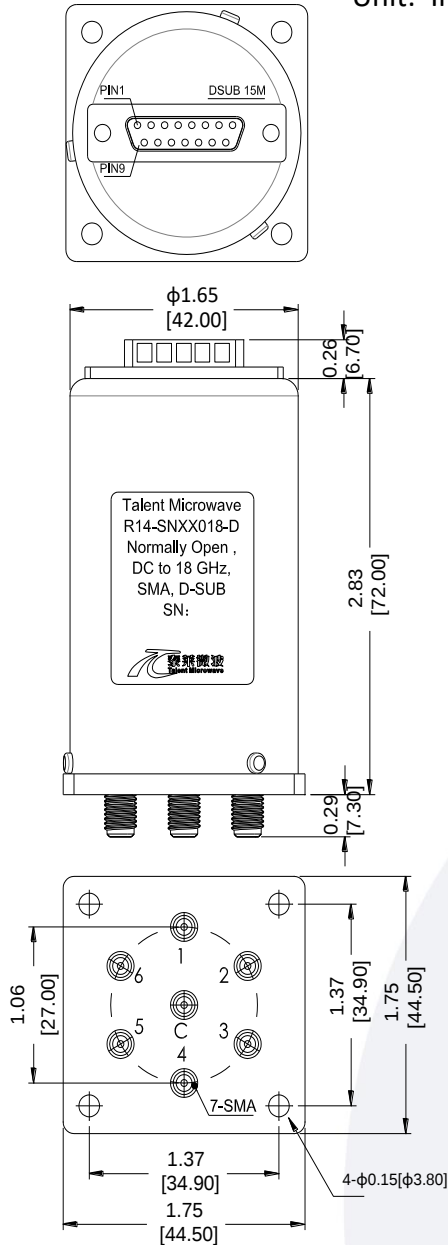
| 频率范围 Frequency (GHz)          | DC-6  | 6-12  | 12-18 |
|-------------------------------|-------|-------|-------|
| 插损 Insertion Loss (dB max.)   | 0.3   | 0.4   | 0.5   |
| 隔离 Isolation (dB min.)        | 70    | 60    | 60    |
| 驻波 VSWR (max.)                | 1.3:1 | 1.4:1 | 1.5:1 |
| 平均功率 RF Power CW (Watts max.) | 80    | 50    | 45    |

### 环境和物理特性 Envirionmental And Physical Characteristics:

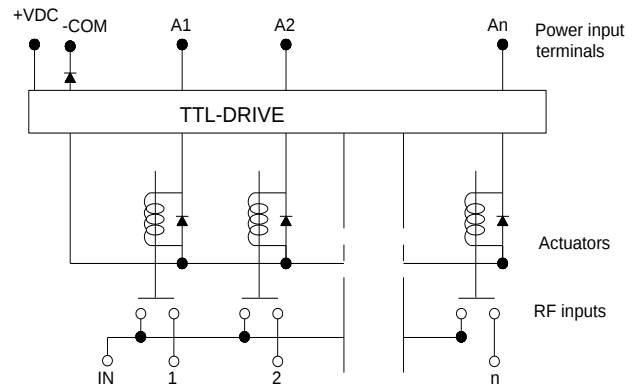
| 参数Parameter               | 指标 Value                                             |
|---------------------------|------------------------------------------------------|
| 操作温度 OperatingTemperature | -25°C to +65°C(Standard )<br>-55°C - +85°C(Optional) |
| 震动 Vibration(operating)   | 10G RMS, 20-2000HZ                                   |
| 冲击 Shock(non operating)   | 50G, 1/2Sine, 12msec                                 |
| 射频接口 Connector Type       | SMA Female                                           |
| 控制接口 Control Connector    | D-SUB 15 PIN Male                                    |
| 重量 Weight                 | 285g Max                                             |

## 外形尺寸 Outline Drawing:

Unit: Inch(mm)



## 原理图 Schematic:



| 15 PIN D-SUB |          | RF Connect Used |      |      |      |
|--------------|----------|-----------------|------|------|------|
| Pin NO       | FUNCTION | SP3T            | SP4T | SP5T | SP6T |
| 1            | A1       | 1               | 1    | 1    | 1    |
| 2            | A2       |                 | 2    | 2    | 2    |
| 3            | A3       | 3               |      | 3    | 3    |
| 4            | A4       |                 | 4    | 4    | 4    |
| 5            | A5       | 5               | 5    | 5    | 5    |
| 6            | A6       |                 |      |      | 6    |
| 7            | -COM     |                 |      |      |      |
| 8            | NC       |                 |      |      |      |
| 9            | NC       |                 |      |      |      |
| 10           | NC       |                 |      |      |      |
| 11           | NC       |                 |      |      |      |
| 12           | NC       |                 |      |      |      |
| 13           | NC       |                 |      |      |      |
| 14           | NC       |                 |      |      |      |
| 15           | +VDC     |                 |      |      |      |

## 标准型号 Part Number:

| 标准型号 Part Number |               |               |               | 驱动电压<br>Actuator<br>voltage | 可选项 Option           |
|------------------|---------------|---------------|---------------|-----------------------------|----------------------|
| SP3T             | SP4T          | SP5T          | SP6T          |                             |                      |
| R13-SN12T18-D    | R14-SN12T18-D | R15-SN12T18-D | R16-SN12T18-D | 12 V                        | -S(-55°C -<br>+85°C) |
| R13-SN24T18-D    | R14-SN24T18-D | R15-SN24T18-D | R16-SN24T18-D | 24 V                        |                      |
| R13-SN28T18-D    | R14-SN28T18-D | R15-SN28T18-D | R16-SN28T18-D | 28 V                        |                      |

## 典型曲线 Typical Performance Data:

