

## SP6T , Terminated , Coaxial Switches

R16-KN12T40-DT , Coaxial Switches , 1P6T , K , Normally Open , 12VDC , TTL , DC to 18 GHz , DSUB-15 , Terminated

R16-KN24T40-DT , Coaxial Switches , 1P6T , K , Normally Open , 24VDC , TTL , DC to 18 GHz , DSUB-15 , Terminated

R16-KN28T40-DT , Coaxial Switches , 1P6T , K , Normally Open , 28VDC , TTL , DC to 18 GHz , DSUB-15 , Terminated

### 电气参数 Electrical Characteristics:

| 参数 Parameter                    | 条件 Condition              |
|---------------------------------|---------------------------|
| 频率范围 Frequency range            | DC-40 GHz                 |
| 阻抗 Impedance                    | 50 Ω                      |
| 开关模式 Operation mode             | Normally Open             |
| 开关顺序 Switch sequence            | Break before make         |
| 切换时间 Switching time             | 15 ms max                 |
| 机械寿命 Mechanical life            | 1 million min             |
| TTL input                       | 0-0.8 V(OFF), 2.4-5 V(ON) |
| 负载功率 Termination power CW       | 0.5W                      |
| 额定电压 Rated voltage              | 12 24 28 VDC              |
| 工作电流 Operating current at 23 °C | 300 167 160 mA            |



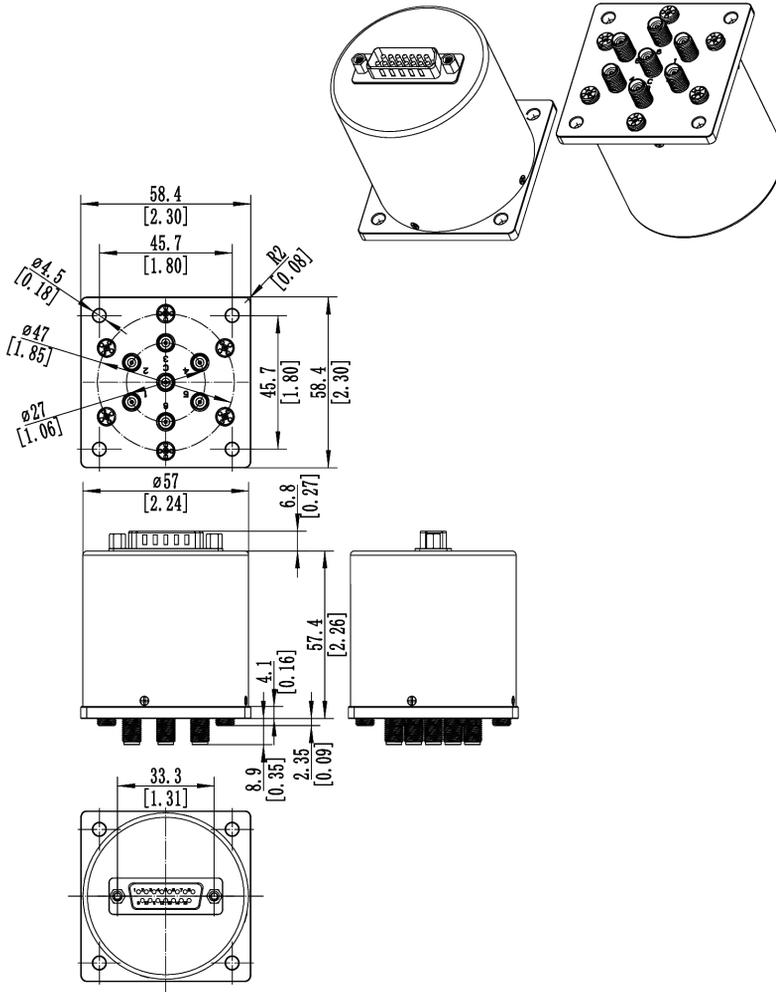
### 射频特性 RF Specifications:

| 频率范围 FREQUENCY RANGE(GHz)    | DC-6  | 6-12  | 12-18 | 18-32 | 32-40 |
|------------------------------|-------|-------|-------|-------|-------|
| 插入损耗 INSERTION LOSS (MAX) dB | 0.3   | 0.4   | 0.5   | 0.8   | 1.3   |
| 隔离度 ISOLATION (MIN) dB       | 70    | 60    | 60    | 55    | 50    |
| 电压驻波比 V.S.W.R. (MAX)         | 1.3:1 | 1.4:1 | 1.5:1 | 1.9:1 | 2.1:1 |

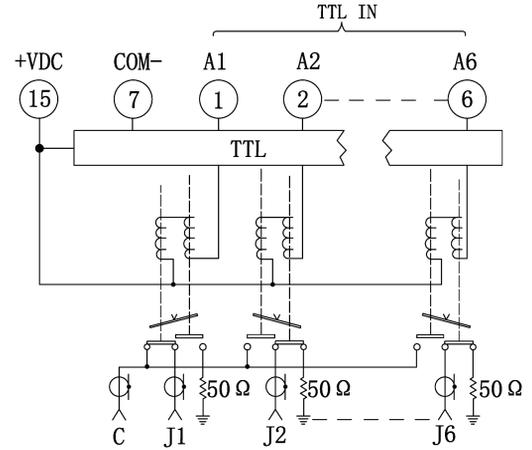
### 环境和物理特性 Environmental And Physical Characteristics:

| 参数 Parameter                       | 条件 Condition                                          |
|------------------------------------|-------------------------------------------------------|
| 工作温度范围 Operating temperature range | -25°C to +65°C(Standard )<br>-55°C to +85°C(Optional) |
| 振动 Sine vibration(Operating)       | 20-2000Hz , 10G RMS                                   |
| 冲击 Shocks(Non Operating)           | 50g / 11msec, ½ sine                                  |

**外形尺寸 Outline Drawing:** Unit: mm



**原理图 Schematic:**

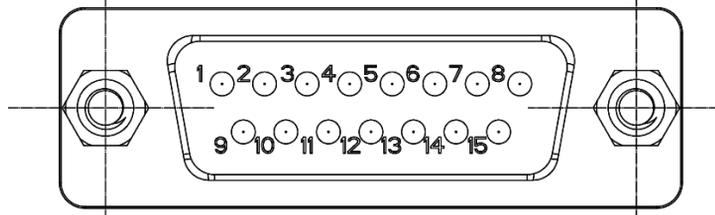


**功率曲线图 Average power:**

This graph is based on the following conditions:

- Ambient temperature: + 25 °C
- Sea level
- V.S.W.R.: 1 and cold switching

## 针脚定义 Pin Definition:



| 15 PIN D-SUB |            | RF Connect Used |
|--------------|------------|-----------------|
| Pin NO.      | Function   | SP6T            |
| 1            | A1(TTL IN) | 1               |
| 2            | A2(TTL IN) | 2               |
| 3            | A3(TTL IN) | 3               |
| 4            | A4(TTL IN) | 4               |
| 5            | A5(TTL IN) | 5               |
| 6            | A6(TTL IN) | 6               |
| 7            | COM-       |                 |
| 15           | +VDC       |                 |
| 8-14         | UNUSED     |                 |

## 标准型号 Part Number:

标准型号 Part Number

1P6T

额定电压  
Rated Voltage

可选项 Option

R16-KN12T40-DT

12VDC

-S

24VDC

## 典型曲线 Typical Performance Data:

