

## SP3T , Terminated , Coaxial Switches

R13-SL12T18-DT, Coaxial Switches, 1P3T, SMA, Latching, 12VDC, TTL, DC to 18 GHz, DSUB-15, Terminated  
 R13-SL24T18-DT, Coaxial Switches, 1P3T, SMA, Latching, 24VDC, TTL, DC to 18 GHz, DSUB-15, Terminated  
 R13-SL28T18-DT, Coaxial Switches, 1P3T, SMA, Latching, 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-18 GHz
阻抗 Impedance	50 Ω
开关模式 Operation mode	Latching
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	350 180 160 mA



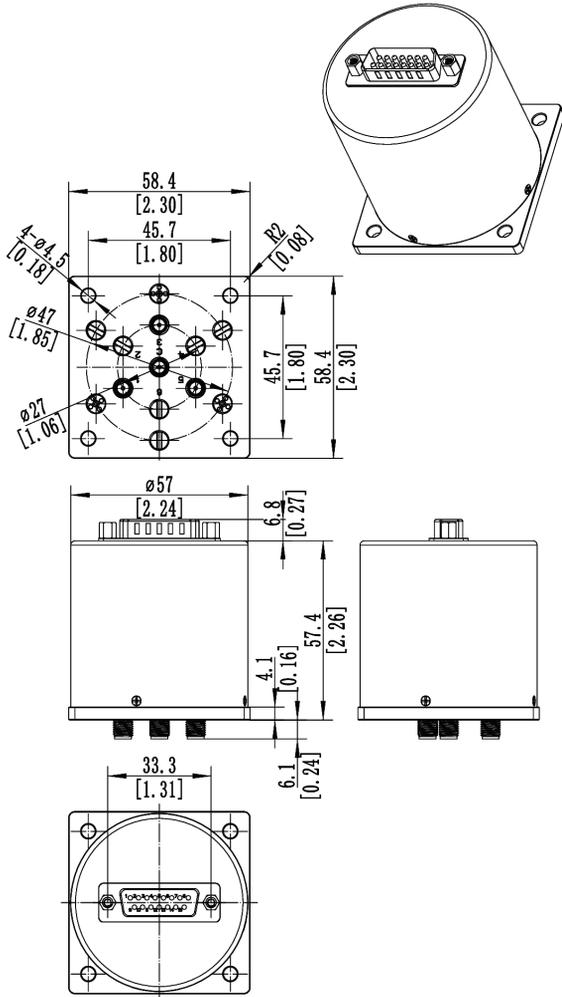
### 射频特性 RF Specifications:

频率范围 FREQUENCY RANGE(GHz)	DC-6	6-12	12-18
插入损耗 INSERTION LOSS (MAX) dB	0.3	0.4	0.5
隔离度 ISOLATION (MIN) dB	80	70	60
电压驻波比 V.S.W.R. (MAX)	1.3:1	1.4:1	1.5:1

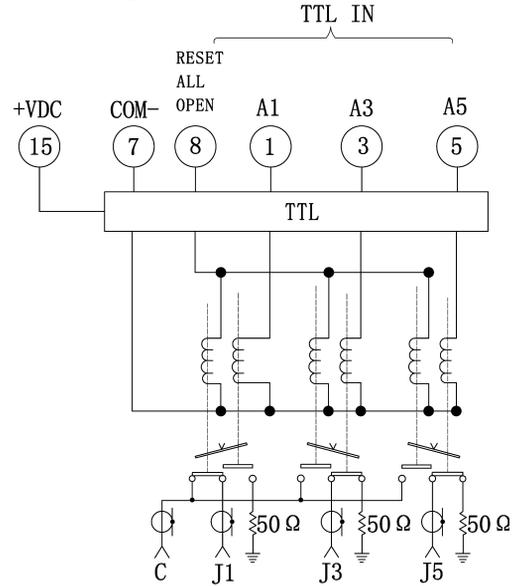
### 环境和物理特性 Environmental And Physical Characteristics:

参数 Parameter	条件 Condition
工作温度范围 Operating temperature range	-25°C to +65°C(Standard ) -55°C to +85°C(Optional)
振动 Sine vibration(Operating)	20-2000Hz , 10G RMS
冲击 Shocks(Non Operating)	50g / 11msec, ½ sine
射频接口 RF Connector type	SMA Female
控制接口 Control connector	D-SUB 15Pin male

**外形尺寸 Outline Drawing:** Unit: mm



**原理图 Schematic:**

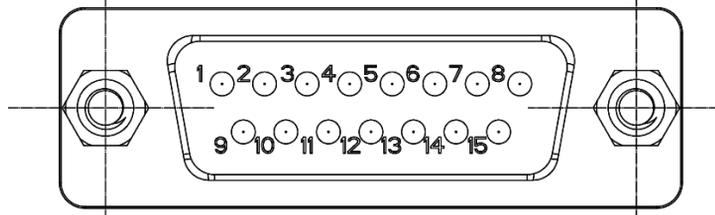


**功率曲线图 Average power:**

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	SP3T
1	A1(TTL IN)	1
2	UNUSED	
3	A3(TTL IN)	3
4	UNUSED	
5	A5(TTL IN)	5
6	UNUSED	
7	COM-	
8	A(TTL IN) RESET ALL OPEN	
15	+VDC	
8-14	UNUSED	

## 标准型号 Part Number:

标准型号 Part Number

1P3T

R13-SL12T18-DT

额定电压  
Rated Voltage

12VDC

24VDC

可选项 Option

-S

## 典型曲线 Typical Performance Data:

