

# 1P3T, Terminated, Coaxial Switches

R13-KL12040-DT, Coaxial Switches, 1P3T, K, Latching, 12VDC, DC to 40 GHz, DSUB-15, Terminated  
 R13-KL24040-DT, Coaxial Switches, 1P3T, K, Latching, 24VDC, DC to 40 GHz, DSUB-15, Terminated  
 R13-KL28040-DT, Coaxial Switches, 1P3T, K, Latching, 28VDC, DC to 40 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	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
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



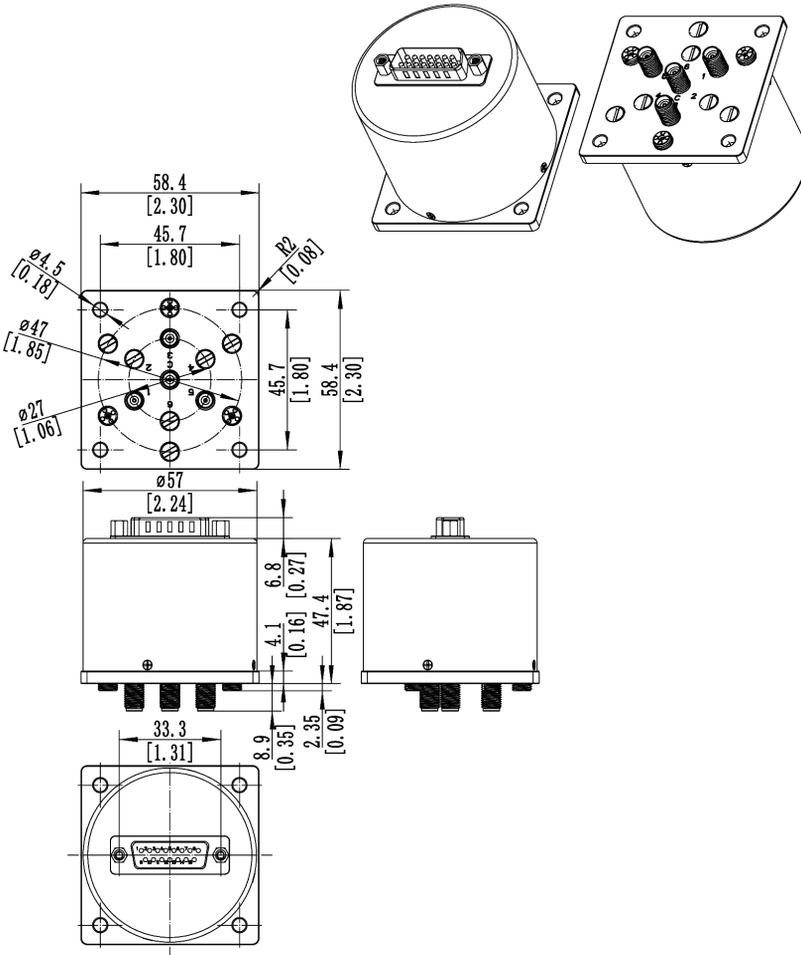
## 射频特性 RF Specifications:

频率范围 FREQUENCY RANGE(GHz)	DC-6	6-12	12-18	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

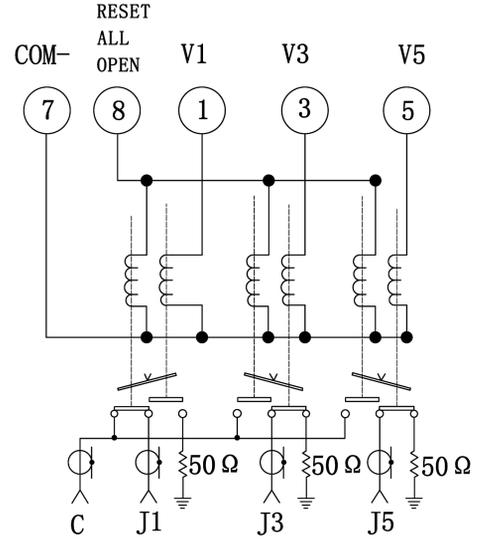
## 环境和物理特性 Environmental And Physical Characteristics:

参数 Parameter	条件 Condition
工作温度范围 Operating temperature range	-25°C to +65°C(Standard ) -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	2.92mm Female

**外形尺寸 Outline Drawing:** Unit: mm



**原理图 Schematic:**

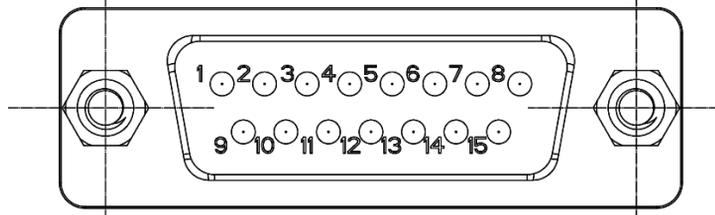


**功率曲线图 Average power:**

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	V1	1
2	UNUSED	
3	V3	3
4	UNUSED	
5	V5	5
6	UNUSED	
7	COM-	
8	+ΔVDC RESET ALL OPEN	
9-15	UNUSED	

## 标准型号 Part Number:

标准型号 Part Number

1P3T

R13-KL12040-DT

额定电压  
Rated Voltage

12VDC

24VDC

可选项 Option

-S

## 典型曲线 Typical Performance Data:

