SPDT Coaxial Switches

R12-KL12T40-DI , Coaxial Switches , SPDT , 2.92mm , Latching , 12VDC , TTL , DC to 40 GHz , DSUB-9 , Electronic Type Indicator
R12-KL24T40-DI , Coaxial Switches , SPDT , 2.92mm , Latching , 24VDC , TTL , DC to 40 GHz , DSUB-9 , Electronic Type Indicator
R12-KL28T40-DI , Coaxial Switches , SPDT , 2.92mm , Latching , 28VDC , TTL , DC to 40 GHz , DSUB-9 , Electronic Type Indicator

电气参数 Electrical Characteristics:

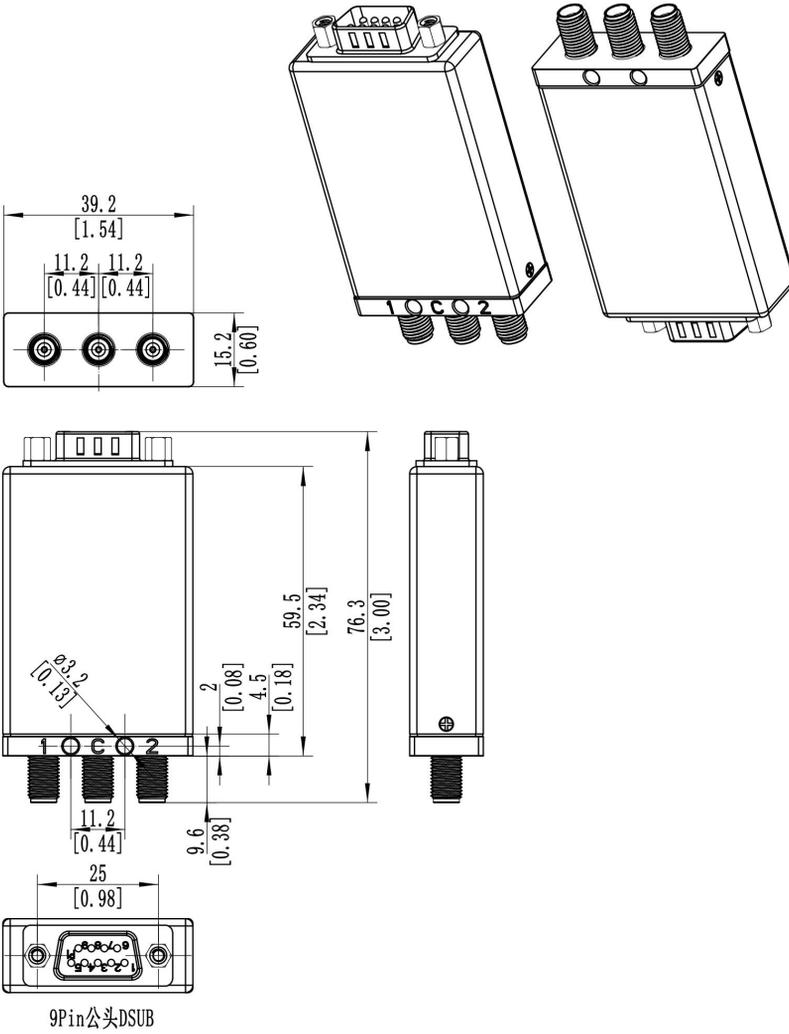| 参数Parameter	条件Condition
频率范围 Frequency range	DC-40GHz
阻抗 Impedance	50 Ω
开关模式 Operation mode	Latching
开关顺序 Switch sequence	Break before make
切换时间 Switching time	15 ms max
机械寿命 Mechanical life	5 million min
TTL input	0-0.8 V(OFF), 2.4-5 V(ON)
额定电压 Rated voltage	12　　24　　28 VDC
工作电流 Operating current at 23 °C	200　　90　　80 mA
指示灯额定值 Indicator rating	Electronic Type Indicator Max withstand voltage: 60VDC Max current capacity: 100mA Max "ON" resistance:16Ω Note: VDC(i) and COM- must be connected to operate.

Available with USB & Ethernet Control

射频特性 RF Specifications:

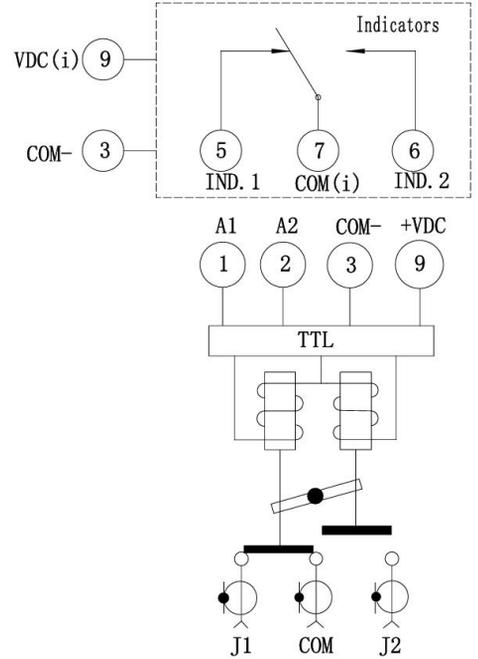| 频率范围 FREQUENCY RANGE(GHz)	DC-6	6-12	12-18	18-26.5	26.5-40
插入损耗 INSERTION LOSS (MAX) dB	0.2	0.25	0.4	0.7	1.0
隔离度 ISOLATION (MIN) dB	70	70	60	55	50
电压驻波比 V.S.W.R. (MAX)	1.2:1	1.3:1	1.4:1	1.7:1	2.0:1

环境和物理特性 Envrionmental 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
冲击 Shocks(Non Operating)	50g / 12ms, ½ sine
射频接口 RF Connector type	2.92mm Female

外形尺寸 Outline Drawing:　Unit: mm

原理图 Schematic:

39.2
[1.54]

11.2
[0.44]

11.2
[0.44]

15.2
[0.60]

1 C 2

∅3.2
[0.13]

59.5
[2.34]

76.3
[3.00]

2
[0.08]

4.5
[0.18]

1 C 2

11.2
[0.44]

9.6
[0.38]

25
[0.98]

9Pin公头DSUB

Schematic

VDC(i) 9

COM- 3

Indicators

5
IND. 1
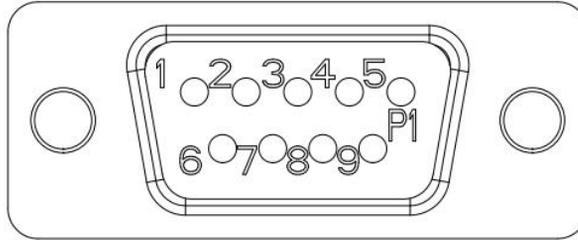
7
COM(i)

6
IND. 2

A1 A2 COM- +VDC

1 2 3 9

TTL

J1 COM J2

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:**

9 PIN D-SUB		RF Connect Used
Pin NO.	**Function**	**SPDT**
1	A1(TTL IN)	J1-COM
2	A2(TTL IN)	J2-COM
3	COM-	
4	UNUSED	
5	IND.1	J1-COM
6	IND.2	J2-COM
7	COMi(IND.)(V+)	
8	UNUSED	
9	+VDC/VDC(i)	

标准型号 **Part Number:**

标准型号 Part Number	额定电压	可选项 Option
SPDT	Rated Voltage	
R12-KL12T40-DI	12VDC	-S

Turpanic

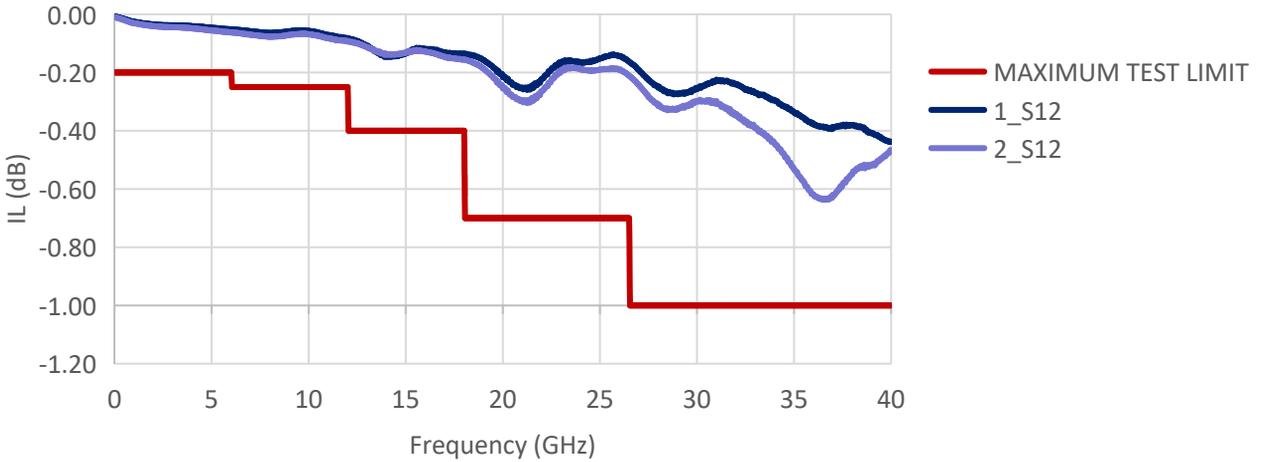## 典型曲线 Typical Performance Data:

INSERTION LOSS

VSWR

ISOLATION