

DPDT Coaxial Switches

R22-KL12T40-D, Coaxial Switches, DPDT, 2.92mm, Latching, 12VDC, TTL, DC to 40 GHz, DSUB-9

R22-KL24T40-D, Coaxial Switches, DPDT, 2.92mm, Latching, 24VDC, TTL, DC to 40 GHz, DSUB-9

R22-KL28T40-D, Coaxial Switches, DPDT, 2.92mm, Latching, 28VDC, TTL, DC to 40 GHz, DSUB-9

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 | 2 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 | 400 180 230 mA |



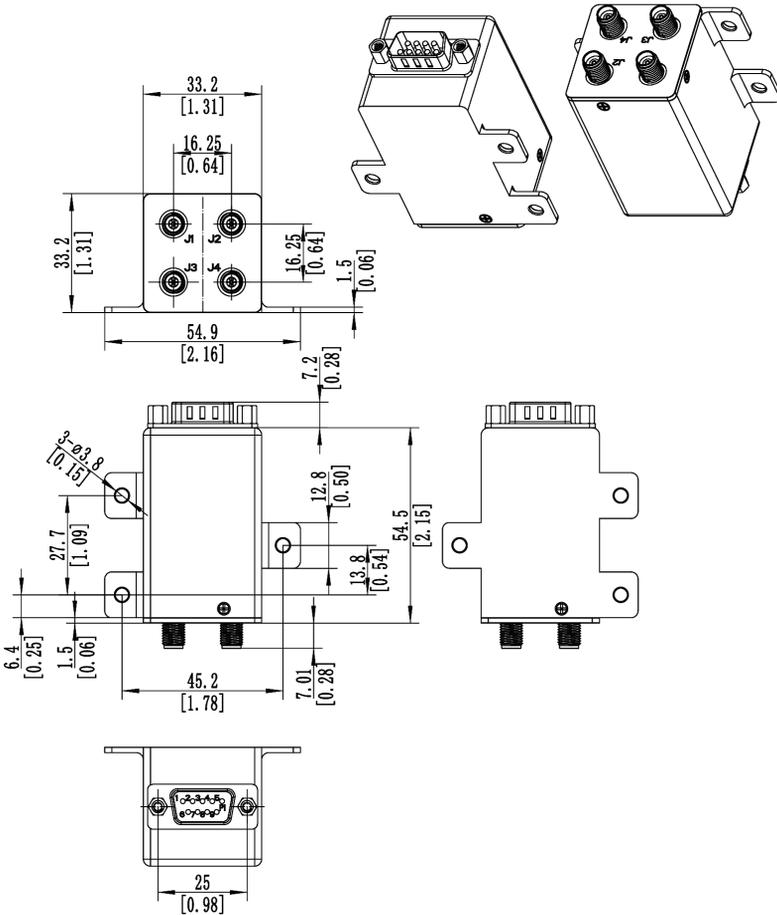
射频特性 RF Specifications:

| 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 | 0.9 | 1.3 |
| 隔离度 ISOLATION (MIN) dB | 70 | 70 | 60 | 55 | 50 |
| 电压驻波比 V.S.W.R. (MAX) | 1.3 | 1.4 | 1.5 | 1.7 | 2.0 |

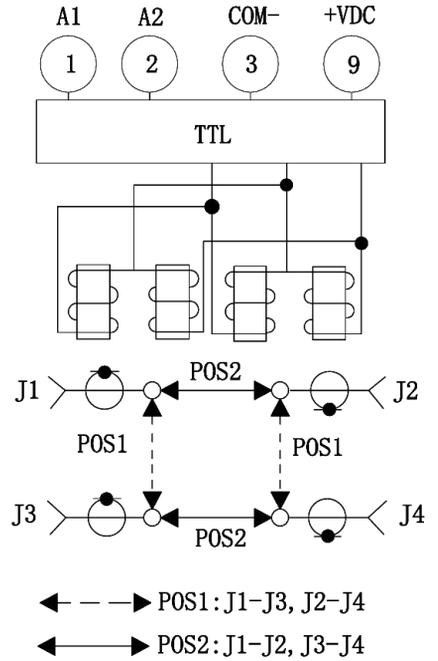
环境和物理特性 Environmental And Physical Characteristics:

| 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 |
| 冲击 Shocks(Non Operating) | 50g / 11ms, ½ sine |
| 射频接口 RF Connector type | 2.92mm Female |

外形尺寸 Outline Drawing: Unit: mm



原理图 Schematic:

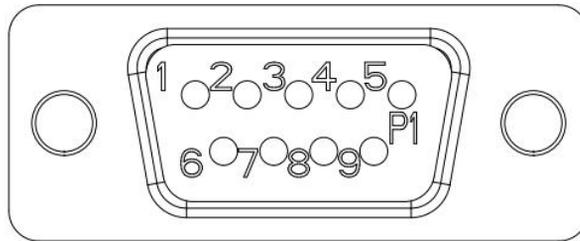


功率曲线图 Average power:

This graph is based on the following conditions:

- Ambient temperature: + 25 °C
- Sea level

针脚定义 Pin Definition:



| 9 PIN D-SUB | | RF Connect Used |
|-------------|------------|----------------------|
| Pin NO. | Function | DPDT |
| 1 | A1(TTL IN) | POS1:J1 - J3,J2 - J4 |
| 2 | A2(TTL IN) | POS2:J1 - J2,J3 - J4 |
| 3 | COM- | |
| 4-8 | UNUSED | |
| 9 | +VDC | |

标准型号 Part Number:

标准型号 Part Number

驱动电压

可选项 Option

DPDT

Actuator voltage

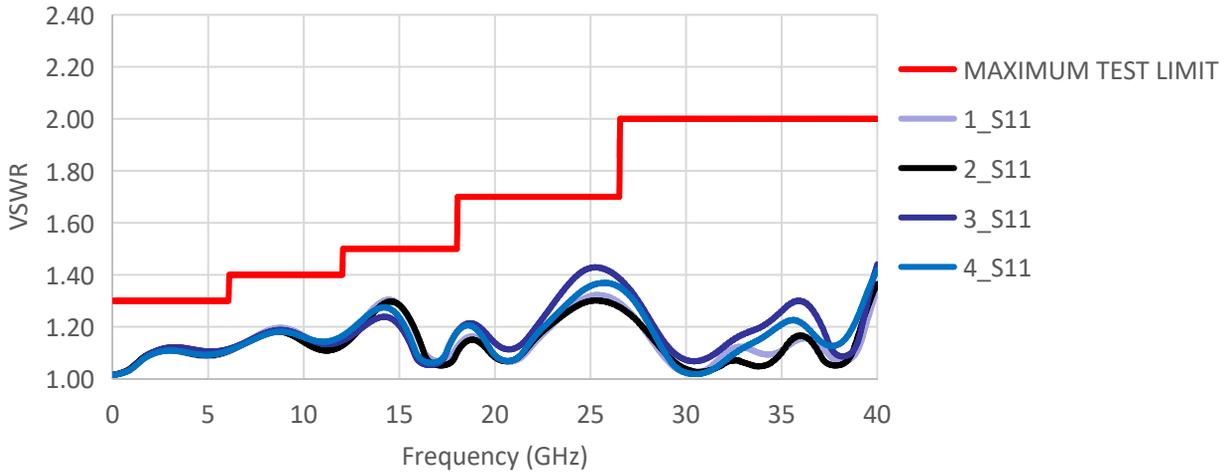
R22-KL12T40-D

12VDC

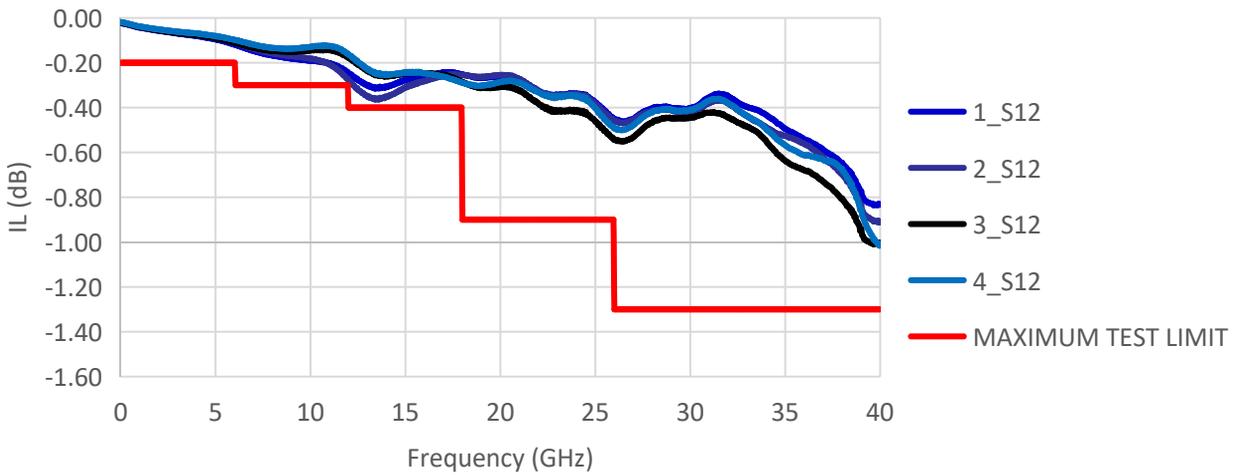
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典型曲线 Typical Performance Data:

VSWR



INSERTION LOSS



ISOLATION

