

SPDT , Terminated , Coaxial Switches

R12-SF12T18-TI , Coaxial Switches , SPDT , SMA , Failsafe , 12VDC , TTL , DC to 18 GHz , Solder Pin , Terminated , Electronic Type Indicator
 R12-SF24T18-TI , Coaxial Switches , SPDT , SMA , Failsafe , 24VDC , TTL , DC to 18 GHz , Solder Pin , Terminated , Electronic Type Indicator
 R12-SF28T18-TI , Coaxial Switches , SPDT , SMA , Failsafe , 28VDC , TTL , DC to 18 GHz , Solder Pin , Terminated , Electronic Type Indicator

电气参数 Electrical Characteristics:

| 参数Parameter | 条件Condition |
|---------------------------------|---|
| 频率范围 Frequency range | DC-18GHz |
| 阻抗 Impedance | 50 Ω |
| 开关模式 Operation mode | Failsafe |
| 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 |
| 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 | 380 200 170 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: VDCi and COM- must be connected to operate. |



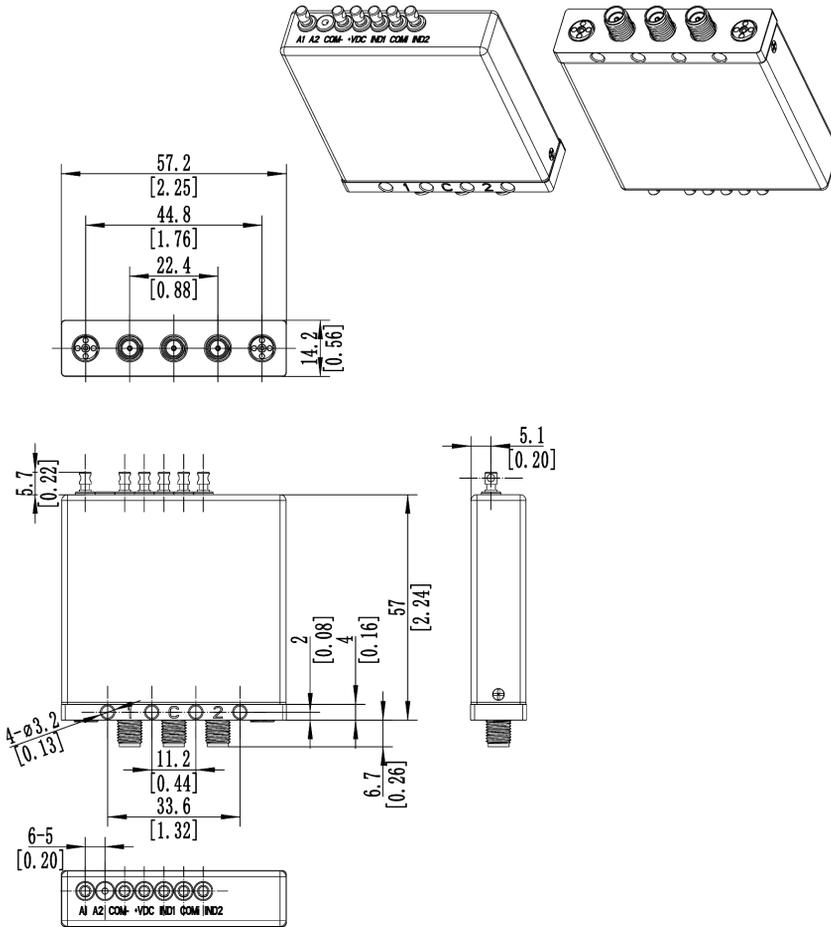
射频特性 RF Specifications:

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

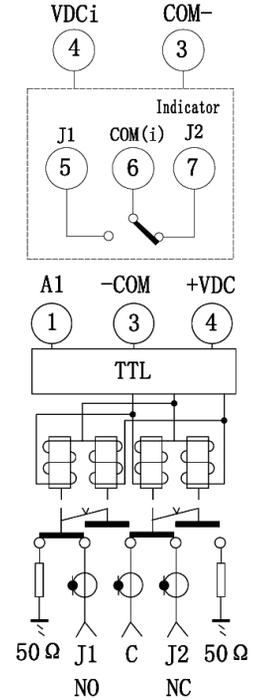
环境和物理特性 Environmental And Physical Characteristics:

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

外形尺寸 Outline Drawing: Unit: mm



原理图 Schematic:

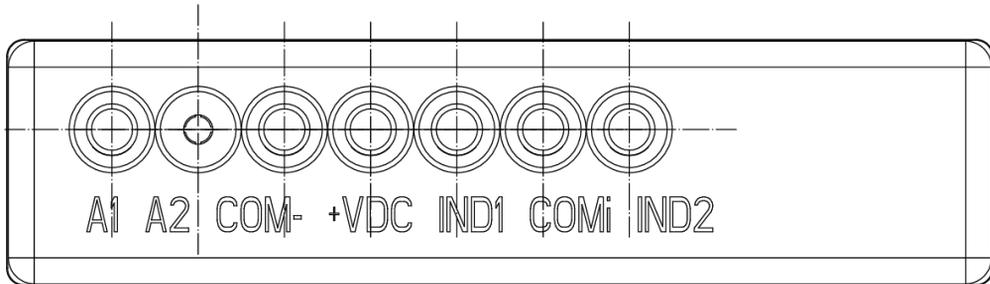


功率曲线图 Average power:

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:



| Solder Pin | | RF Connect Used |
|------------|----------------|-----------------|
| Pin NO. | Function | SPDT |
| 1 | A1(TTL IN) | NO:J1-COM |
| | 0 | NC:J2-COM |
| 2 | UNUSED | |
| 3 | COM- | |
| 4 | +VDC/VDCi | |
| 5 | 1(IND.) | NO:J1-COM |
| 6 | COMi(IND.)(V+) | |
| 7 | 2(IND.) | NC:J2-COM |

标准型号 Part Number:

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额定电压
Rated Voltage

可选项 Option

SPDT

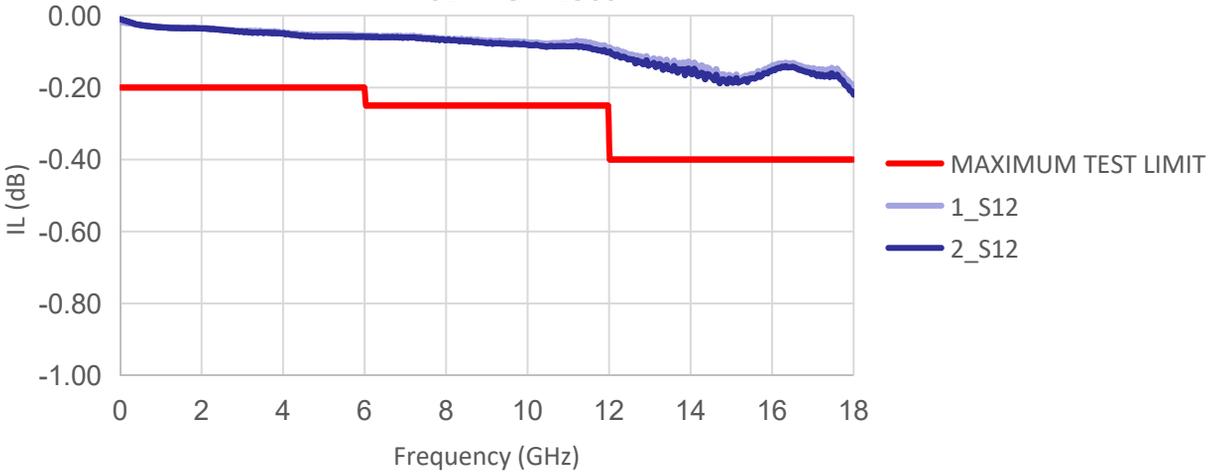
R12-SF12T18-TI

12VDC

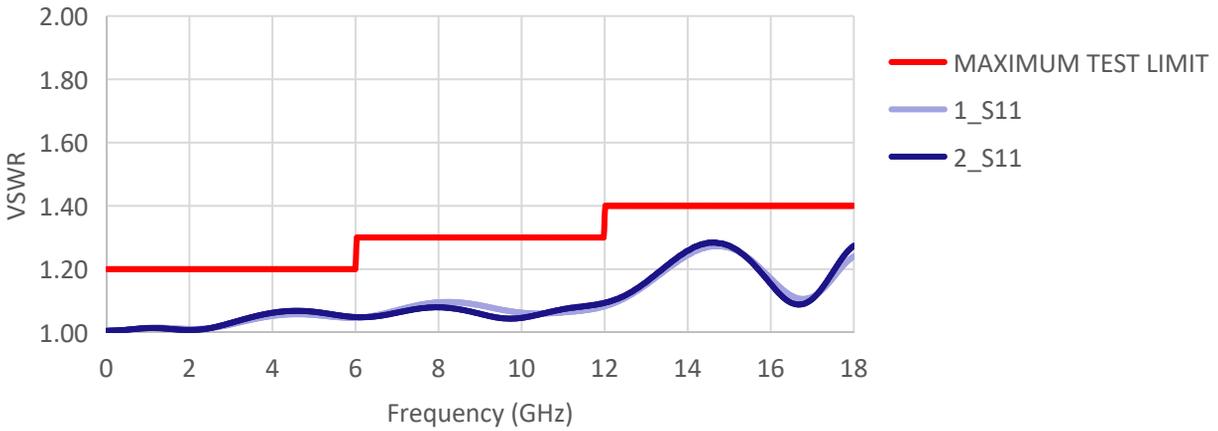
-S (S型号满足IP65)

典型曲线 Typical Performance Data:

INSERTION LOSS



VSWR



ISOLATION

