

SPDT RF Coaxial Switch 单刀双掷射频同轴开关  
DC to 26.5 GHz, SMA, Failsafe, 12V, Solder-Pins

## 产品简介 Description

型号 LR1-S26F12-SS 是一款频率覆盖 DC-26.5GHz, SMA 型连接器, 激励电压 12Vdc, 带焊针, 立式安装单刀双掷射频同轴开关。具有工作频带宽、驻波比低, 插入损耗小等特点。



### RF 特性 RF Characteristics

|                      |            |
|----------------------|------------|
| 射频通道数量 Channel       | 2          |
| 频率范围 Frequency Range | DC-26.5GHz |
| 特性阻抗 Impedance       | 50Ω        |

|                               |      |      |       |         |
|-------------------------------|------|------|-------|---------|
| 频率 Frequency (GHz)            | DC-6 | 6-12 | 12-18 | 18-26.5 |
| 驻波比 VSWR (Max.)               | 1.20 | 1.25 | 1.40  | 1.60    |
| 插入损耗 Insertion Loss (dB Max.) | 0.20 | 0.25 | 0.40  | 0.60    |
| 隔离度 Isolation (dB Min.)       | 70   | 70   | 60    | 55      |

### 电气特性 Electrical Characteristics

|                                 |             |
|---------------------------------|-------------|
| 激励器 Actuator                    | Failsafe    |
| 激励电压 Actuator Voltage           | 12V         |
| 额定电流 Nominal Current (25°C±10%) | 260mA       |
| 控制端接口 Actuator Terminals        | Solder Pins |

### 机械特性 Mechanical Characteristics

|                     |                  |
|---------------------|------------------|
| 射频接口 RF Connectors  | SMA-Female       |
| 寿命 Life             | 3,000,000 cycles |
| 切换时间 Switching Time | ≤15ms            |
| 结构 Construction     | 防溅型 Splashproof  |
| 重量 Weight           | 40g              |

### 环境特性 Environmental Characteristics

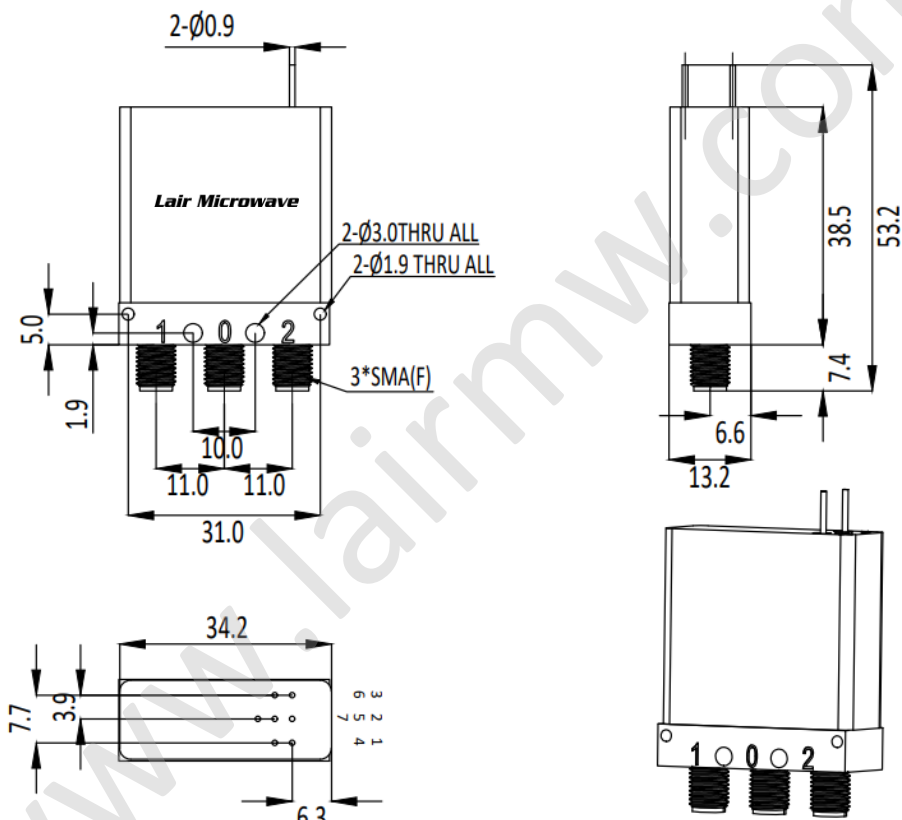
|                            |                      |
|----------------------------|----------------------|
| 工作温度 Operating Temperature | -25~+65°C (Standard) |
| 贮存温度 Storage Temperature   | -55~+85°C            |

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产品外形 Outline Drawing

控制管脚定义 PIN Definition

| 引脚编号 PIN No.                                                     | 定义 Definition | 射频通道 RF Continuity |
|------------------------------------------------------------------|---------------|--------------------|
| "1"                                                              | +12V          | RF 0↔2             |
| "3"                                                              | GND           | -                  |
| 初始状态下, RF0↔1 常闭 In the initial state, RF 0↔1 is normally closed. |               |                    |



单位: mm

注意 Caution:

- 本产品属于静电敏感部件, 储存、运输、使用时注意静电防护。  
ESD-sensitive device. Proper electrostatic discharge precautions must be observed during storage, transport and use.
- 使用本产品时, 严格遵循供电引脚和控制引脚的输入要求, 防止误接或过载损坏。  
Strictly observe power and control pin input requirements to prevent misconnection or overload damage.
- 本产品射频端口为精密阴头连接器, 仅限和其相匹配阳头连接, 安装时须用合适扭矩扳手。  
RF ports use precision female connectors. Use matching male connectors only. Install with proper torque wrench.
- 以上产品技术参数可随时修改, 恕不另行通知。  
Product specifications subject to change without prior notice.