

SP4T RF Coaxial Switch 单刀四掷射频同轴开关
 DC to 18 GHz, SMA, Normally Open, 24V, DSUB-9, TTL

型号 LR4-S18N24-T 是一款频率覆盖 DC-18GHz, SMA 型连接器, 激励电压 24Vdc, Dsub9 公头, 带 TTL, 立式安装单刀四掷射频同轴开关。


RF 特性 RF Characteristics

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|----------------------|----------|
| 射频通道数量 Channel | 4 |
| 频率范围 Frequency Range | DC-18GHz |
| 特性阻抗 Impedance | 50Ω |

| 频率 Frequency (GHz) | DC-6 | 6-12 | 12-18 |
|-------------------------------|------|------|-------|
| 驻波比 VSWR (Max.) | 1.30 | 1.40 | 1.50 |
| 插入损耗 Insertion Loss (dB Max.) | 0.30 | 0.40 | 0.50 |
| 隔离度 Isolation (dB Min.) | 70 | 60 | 60 |

电气特性 Electrical Characteristics

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|---------------------------------|--|
| 激励器 Actuator | Normally Open |
| 激励电压 Actuator Voltage | 24V |
| 额定电流 Nominal Current (25°C±10%) | 130mA |
| TTL 输入 TTL Input | 高电平 High Level: +3.3V 低电平 Low Level: 0V |
| 控制端接口 Actuator Terminals | Dsub-9 Male |

机械特性 Mechanical Characteristics

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|---------------------|------------------|
| 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 | 140g |

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环境特性 Environmental Characteristics

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

产品外形 Outline Drawing

控制管脚定义 PIN Definition

| PIN No. | TTL | Definition | Note |
|---------|------------|------------|--------|
| 1 | High Level | V1 | RF 0↔1 |
| 2 | High Level | V2 | RF 0↔2 |
| 3 | - | - | - |
| 4 | High Level | V4 | RF 0↔4 |
| 5 | High Level | V5 | RF 0↔5 |
| 6 | - | - | - |
| 7 | - | - | - |
| 8 | - | GND | 接地 |
| 9 | - | VCC | +24V |

