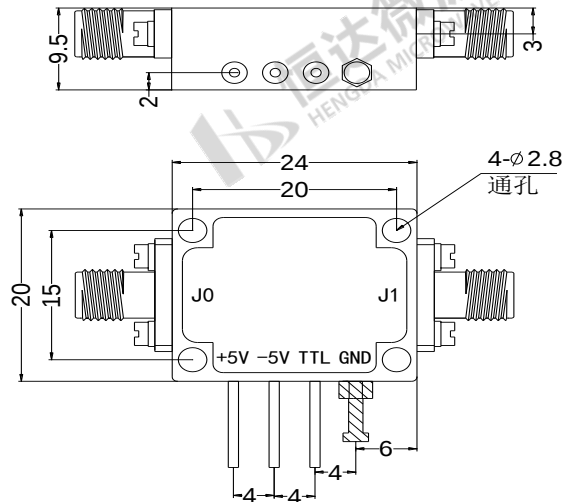
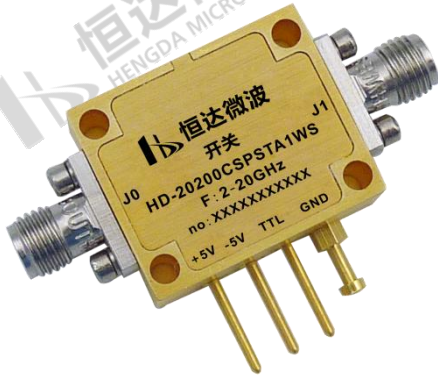


产品名称：射频吸收开关

产品型号：HD-20200CSPSTA1WS



注：J0:吸收端口；J1:反射端口

## 2. 详细技术参数 (\*为主要参数)

| 参 数            | 最小值           | 典型值   | 最大值 | 最小值  | 典型值   | 最大值 | 最小值   | 典型值   | 最大值 | 单位     |
|----------------|---------------|-------|-----|------|-------|-----|-------|-------|-----|--------|
| 频率范围           | 2-8           |       |     | 8-12 |       |     | 12-20 |       |     | GHz    |
| 插损             |               | 1.3   | 1.5 |      | 1.5   | 2.0 |       | 2.5   | 2.8 | dB     |
| 插损/温度平衡度       |               | 0.003 |     |      | 0.003 |     |       | 0.003 |     | dB/° C |
| 隔离度 (J0→J1)    | 80            | 90    |     | 80   | 85    |     | 70    | 80    |     | dB     |
| 输入驻波比          |               | 1.5   | 1.8 |      | 1.5   | 1.8 |       | 1.5   | 1.8 | : 1    |
| 输出驻波比          |               | 1.5   | 1.8 |      | 1.5   | 1.8 |       | 1.5   | 1.8 | : 1    |
| 最大输入功率         |               |       | 30  |      |       | 30  |       |       | 30  | dBm    |
| 功耗             |               | 0.3   |     |      | 0.3   |     |       | 0.3   |     | W      |
| 0.1dB压缩点       |               | 30    |     |      | 30    |     |       | 30    |     | dBm    |
| 输入三阶截获点        |               | 55    |     |      | 55    |     |       | 55    |     | dBm    |
| 开关速度           |               | 100   |     |      | 100   |     |       | 100   |     | ns     |
| 重量             | 9.92          |       |     |      |       |     |       |       |     | g      |
| 阻抗             | 50            |       |     |      |       |     |       |       |     | Ω      |
| 偏置电流 (+5V/-5V) | 50/40         |       |     |      |       |     |       |       |     | mA     |
| 输入输出连接头        | SMA-Female    |       |     |      |       |     |       |       |     |        |
| 表面处理           | 镀金            |       |     |      |       |     |       |       |     |        |
| 腔体材料           | 铝             |       |     |      |       |     |       |       |     |        |
| 封装形式           | 标准封装 (气密封装可选) |       |     |      |       |     |       |       |     |        |

## 2. 逻辑关系

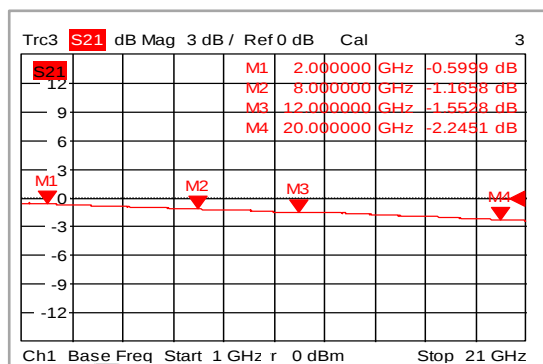
|                                           |               |
|-------------------------------------------|---------------|
| TTL高低电平控制电压                               | 低电压(0)=0-0.8V |
|                                           | 高电压(1)=2.8-5V |
| 控制输入TTL                                   | 信号通断状态        |
| 1                                         | 开             |
| 0                                         | 关             |
| 控制方式可按需求定制（TTL控制、USB控制、MICRO-D控制、LAN网络控制） |               |

## 3. 额定参数与环境

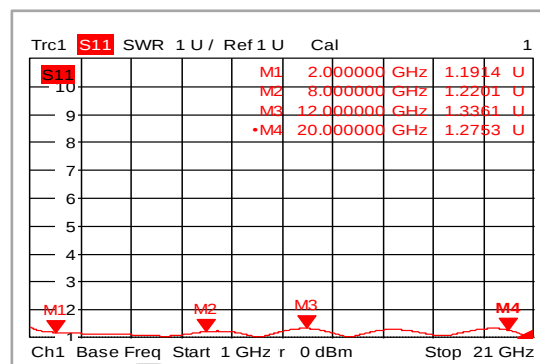
|                          |                              |
|--------------------------|------------------------------|
| 偏置电压                     | +5V±10%/-5V±10%              |
| 工作温度                     | -45°C~+85°C                  |
| 存储温度                     | -55°C~+125°C                 |
| 海拔高度                     | 762米（环氧树脂密封条件）               |
|                          | 1524米. 最小1个标准大气压(气密封装条件)(可选) |
| 注:TTL引脚不能接负压，否则会损坏内部驱动器。 |                              |

## 4. 产品测试图

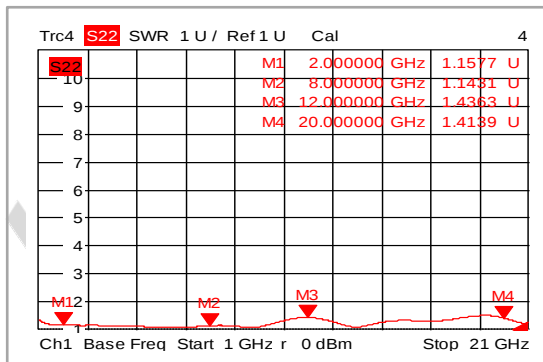
损耗（+25°C）



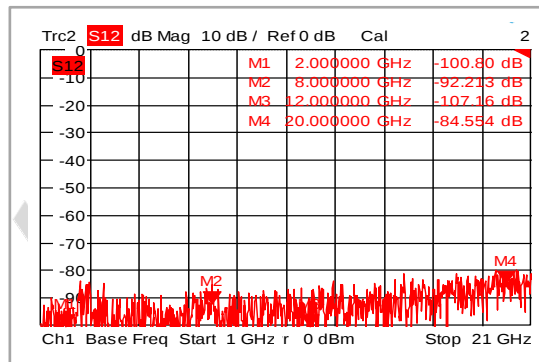
输入驻波比（+25°C）



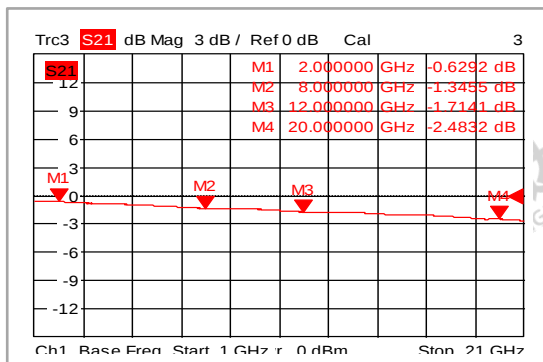
输出驻波比 (+25℃)



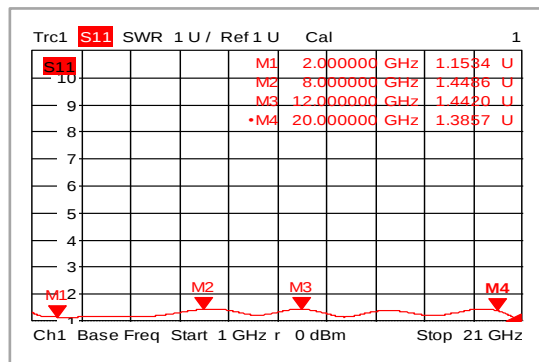
隔离度 (+25℃)



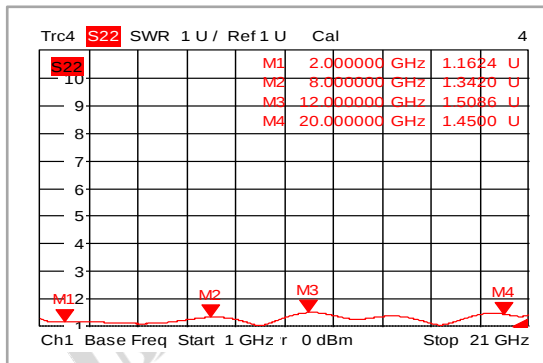
损耗 (-45℃)



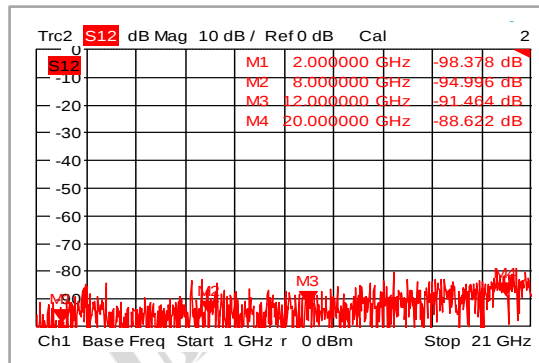
输入驻波比 (-45℃)



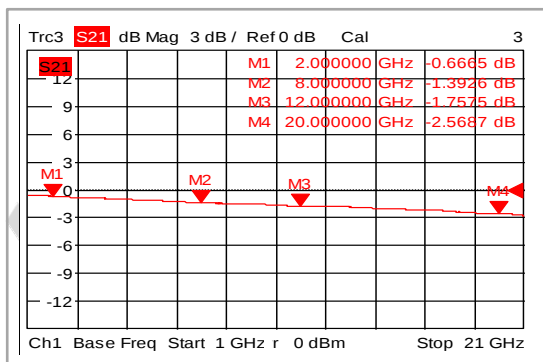
输出驻波比 (-45℃)



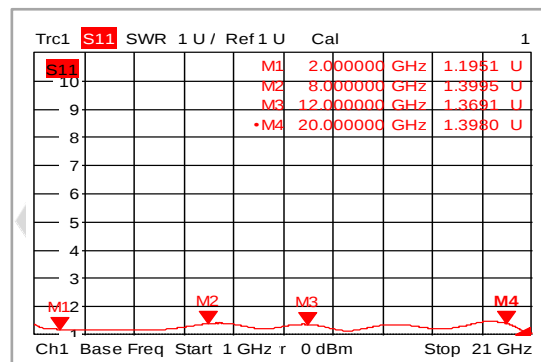
隔离度 (-45℃)



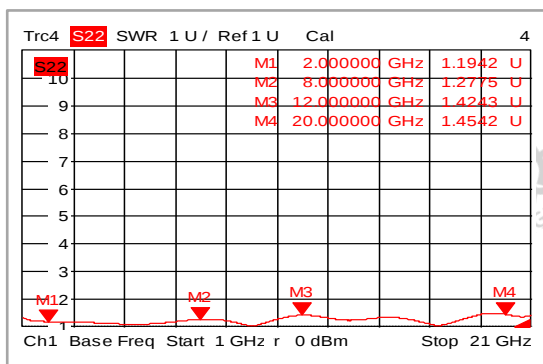
损耗 (+85℃)



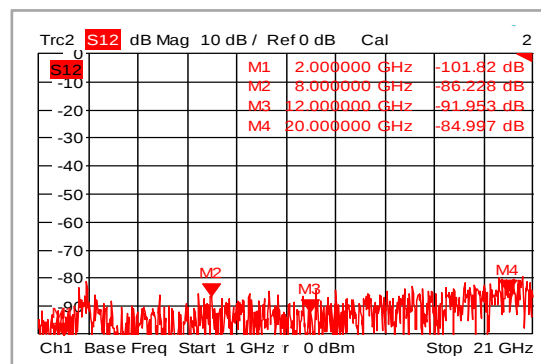
输入驻波比 (+85℃)



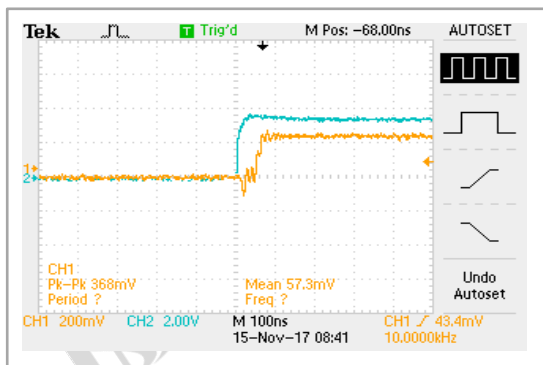
输出驻波比 (+85℃)



隔离度 (+85℃)



开关速度



开关速度

