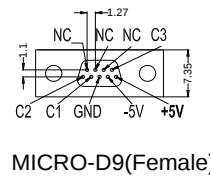
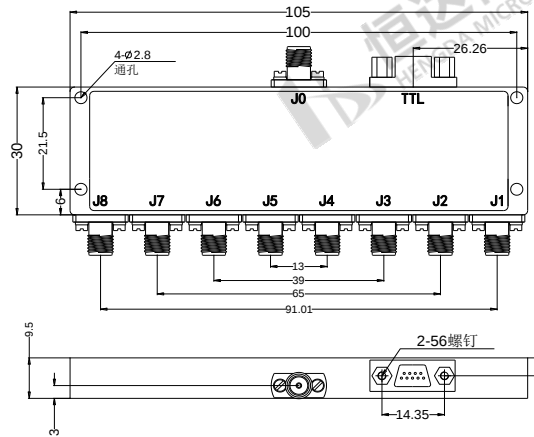


产品名称：射频吸收开关

产品型号：HD-540CSP8TA1WS



## 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 | 单位      |
|----------------|-----|-------|---------------|-----|-------|-----|---------|
| 频率范围           |     | 0.5-2 |               | 2-4 |       |     | GHz     |
| 插损             |     | 1.0   | 1.6           |     | 1.6   | 2.0 | dB      |
| 插损/温度平衡度       |     | 0.003 |               |     | 0.003 |     | dB/ ° C |
| 隔离度            | 60  | 75    |               | 60  | 70    |     | dB      |
| 输入驻波比          |     | 1.3   | 1.5           |     | 1.3   | 1.5 | : 1     |
| 输出驻波比          |     | 1.4   | 1.5           |     | 1.4   | 1.5 | : 1     |
| 射频输入功率 (CW)    |     |       | 30            |     |       | 30  | dBm     |
| 直流功耗           |     | 1.5   |               |     | 1.5   |     | W       |
| 0.1dB压缩点       |     | 30    |               |     | 30    |     | dBm     |
| 输入三阶截获点        |     | 55    |               |     | 55    |     | dBm     |
| 开关速度           |     | 100   | 150           |     | 100   | 150 | ns      |
| 重量             |     |       | 80            |     |       |     | g       |
| 阻抗             |     |       | 50            |     |       |     | Ω       |
| 偏置电流 (+5V/-5V) |     |       | 350/50        |     |       |     | 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

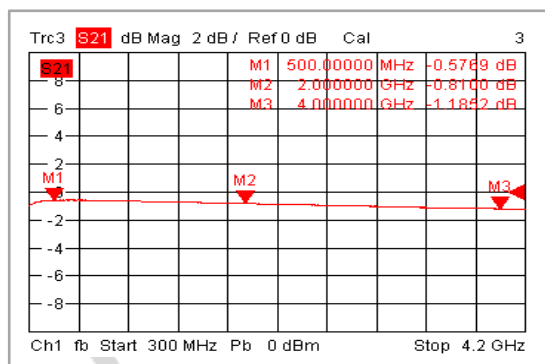
| TTL高低电平控制电压                                |    |    | 低电压 (0)=0-0.8V |
|--------------------------------------------|----|----|----------------|
|                                            |    |    | 高电压 (1)=2.8-5V |
| 控制输入TTL                                    |    |    | 信号通断状态         |
| C3                                         | C2 | C1 |                |
| 0                                          | 0  | 0  | J0-J1          |
| 0                                          | 0  | 1  | J0-J2          |
| 0                                          | 1  | 0  | J0-J3          |
| 0                                          | 1  | 1  | J0-J4          |
| 1                                          | 0  | 0  | J0-J5          |
| 1                                          | 0  | 1  | J0-J6          |
| 1                                          | 1  | 0  | J0-J7          |
| 1                                          | 1  | 1  | J0-J8          |
| 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

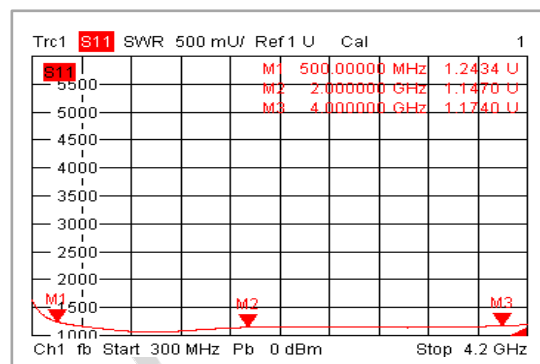
|                           |                                |
|---------------------------|--------------------------------|
| 偏置电压                      | +5V±10%/-5V±10%                |
| 工作温度                      | -45°C~+85°C                    |
| 存储温度                      | -55°C~+125°C                   |
| 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

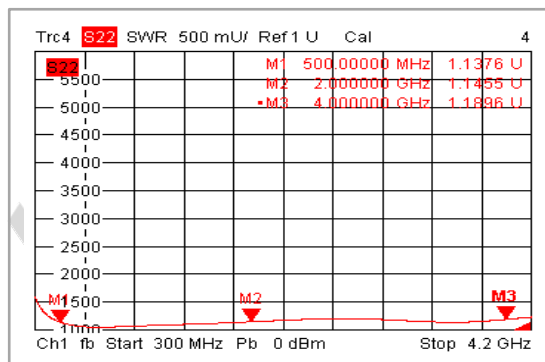
损耗 (+25°C)



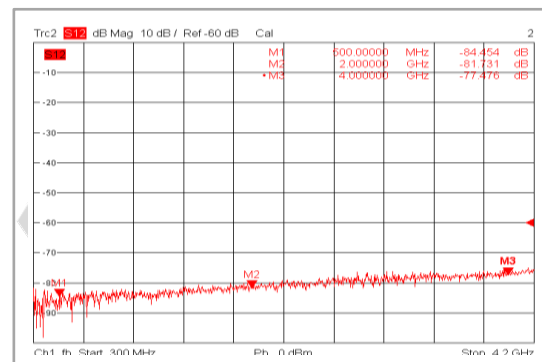
输入驻波比 (+25°C)



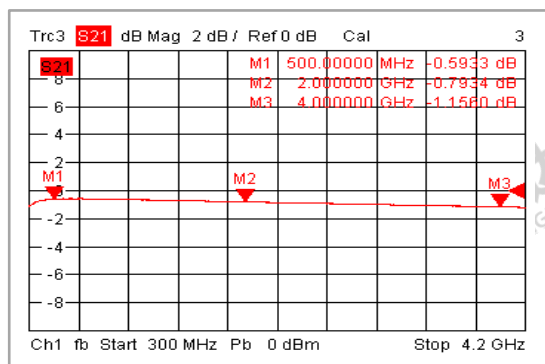
输出驻波比 (+25℃)



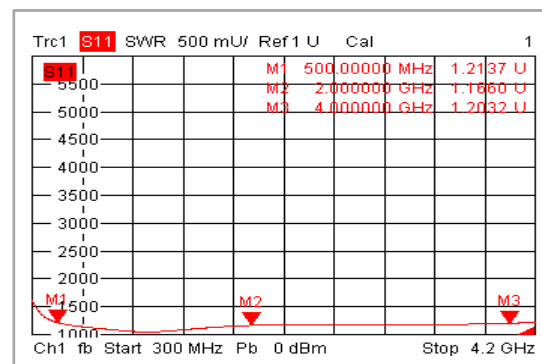
隔离度 (+25℃)



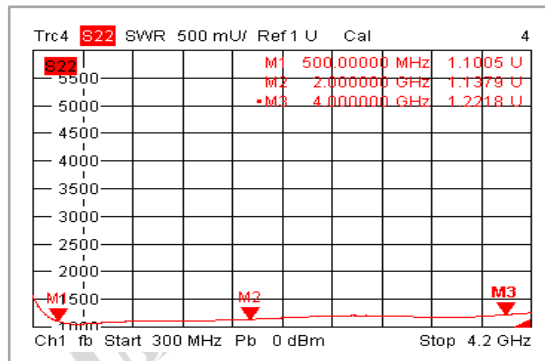
损耗 (-45℃)



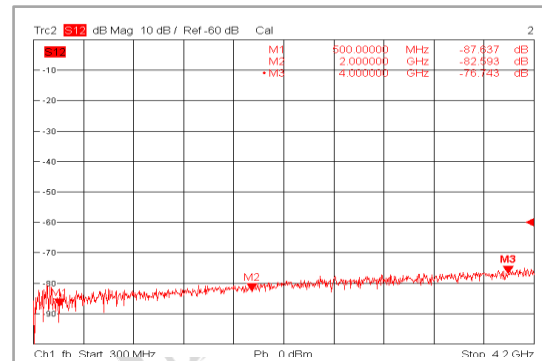
输入驻波比 (-45℃)



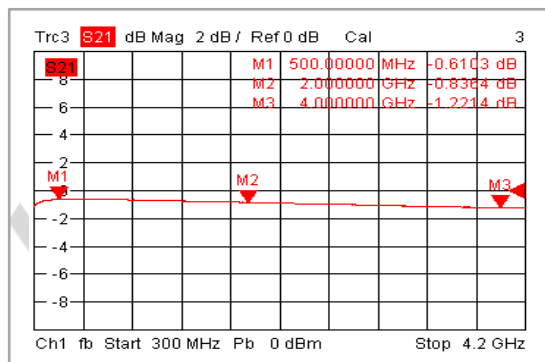
输出驻波比 (-45℃)



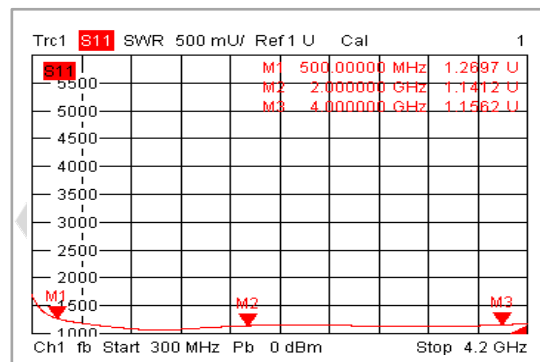
隔离度 (-45℃)



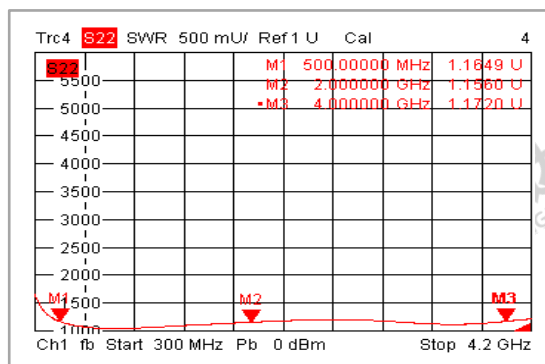
损耗 (+85℃)



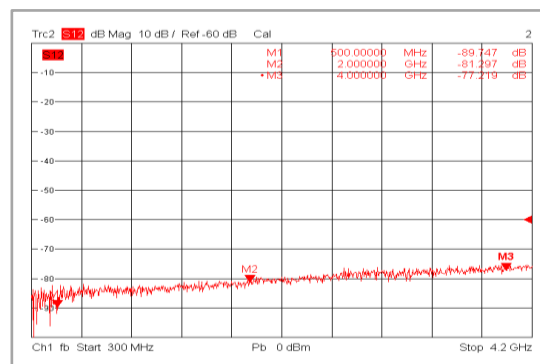
输入驻波比 (+85℃)



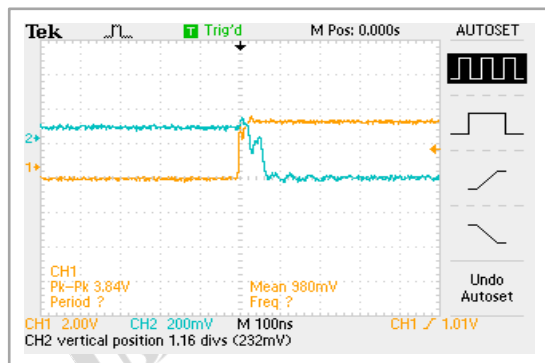
输出驻波比 (+85℃)



隔离度 (+85℃)



开关速度



开关速度

