

Model: TURSPDT0.2G18GA

Absorption,Broadband PIN Switch,0.2-18GHz

Feature:

- Ultra Broadband: 0.2-18 GHz
- Low Insertion Loss: 2.5 dB
- Power Handling : 27 dBm
- High Isolation
- Switch Type: Absorption

电气特性 Electrocal:

| 参数Parameter           | Min.       | Typ. | Max. | Units |
|-----------------------|------------|------|------|-------|
| 频率范围 Frequency range  | 0.2-18     |      |      | GHz   |
| 隔离 Isolation          |            | 50   |      | dB    |
| 插损Insertion Loss      |            | 2.5  | 4.5  | dB    |
| 输入驻波 Input VSWR       |            | 2.2  | 2.5  | :1    |
| 输出驻波 Output VSWR      |            | 2.2  | 2.5  | :1    |
| 切换速度 Switch Speed     |            |      | 100  | nsec  |
| 最大输入功率RF Input Power  |            |      | 27   | dBm   |
| 直流电压 DC Voltage       | +5         |      |      | V DC  |
| 直流电流DC Supply Current | 2          |      |      | mA    |
| 开关类型Switch Type       | Absorption |      |      |       |
| 阻抗 Impedance          | 50         |      |      | Ohms  |

机械特性 Mechanical :

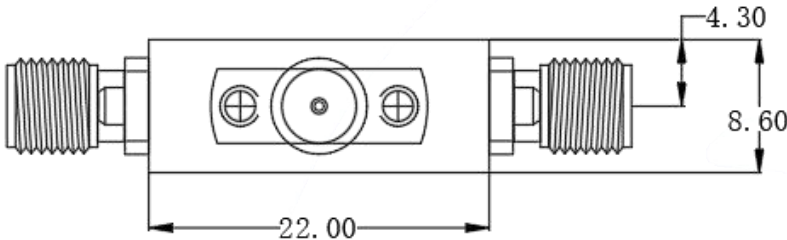
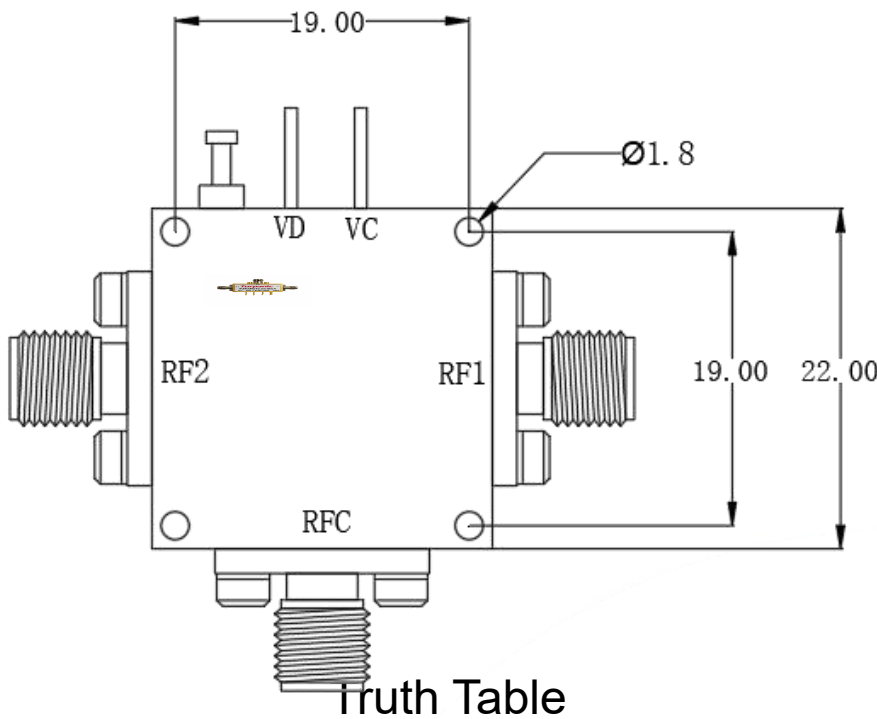
| 参数Parameter                       | Specification | Units |
|-----------------------------------|---------------|-------|
| 输入输出接口<br>Input /Output Connector | SMA-Female    |       |
| 直流偏置 Bias                         | Solder Pin    |       |
| 重量 Weight                         | /             | g     |

绝对最大值Absolute Maximum Ratings :

| 参数Parameter                | 指标 Value |
|----------------------------|----------|
| 供电偏置电压 Supply Bias Voltage | TBD      |

外形尺寸Outline Drawing:

Unit: mm(inches)



| Truth Table       |                   |
|-------------------|-------------------|
| TTL Control Input | Signal Path State |
| TTL               |                   |
| 1                 | RFC-RF2           |
| 0                 | RFC-RF1           |

温度环境 Environmental Conditions:

| 参数Parameter                        | Min.  | Typ.     | Max.  | Units |
|------------------------------------|-------|----------|-------|-------|
| 操作温度<br>Operating Temperature      | -45   |          | +85   | °C    |
| 存储温度<br>Non-operating Temperature  | -55   |          | +125  | °C    |
| 相对湿度 Relative humidity             |       | 95       |       | %     |
| 海拔 Altitude                        | 10000 |          | 30000 | feet  |
| 震动 Shock / Vibration(MIL-STD-810F) |       | Airborne |       |       |

订货信息 Ordering Information:

| 标准型号 Part Number | 描述 Description                                                | 版本号Revision |
|------------------|---------------------------------------------------------------|-------------|
| TURSPDT0.2G18GA  | Absorption,Broadband PIN Switch<br>0.2-18GHz,SPDT,SMA- Female | Rev.1.1     |