

Model TURSP2T0.4G12GA-60

Absorption,Broadband PIN Switch  
0.4-12GHz,SPDT,SMA

- Feature:
- Ultra Wide Band 0.4-12 GHz
  - Low Insertion Loss: 2.6dB
  - High Isolation
  - Switch Type: Absorption

电气特性 Electrical:

| 参数Parameter                         | Min.               | Typ.     | Max. | 单位Units |
|-------------------------------------|--------------------|----------|------|---------|
| 频率范围 Frequency range                | 0.4-12             |          |      | GHz     |
| 插损 Insertion Loss                   |                    | 2.6@6GHz | 5    | dB      |
| 隔离 Isolation                        | 60                 |          |      | dB      |
| 切换速度<br>Switch Speed(Hot switching) |                    | 100      |      | ns      |
| 输入驻波 Input VSWR                     |                    | 1.5      | 1.9  | :1      |
| 输出驻波 Output VSWR                    |                    | 1.5      | 1.9  | :1      |
| 最大输入功率RF Input Power                |                    |          | 27   | dBm     |
| 直流电压 DC Voltage                     |                    | +5/-5    |      | V DC    |
| 直流电流 DC Supply Current              |                    | 150/-50  |      | mA      |
| 控制逻辑电平Control Logic TTL             | “0”=Low ; “1”=High |          |      | v       |
| 阻抗 Impedance                        | 50                 |          |      | Ohms    |

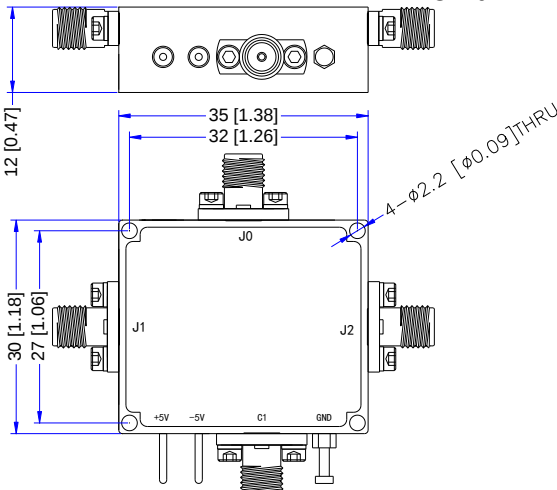
机械特性 Mechanical :

| 参数Parameter                   | 指标 Value                  | 单位Units |
|-------------------------------|---------------------------|---------|
| 输入输出接口Input /Output Connector | SMA Female                |         |
| 直流控制接口Control/DC Connector    | SMASMA-Female/Welding pin |         |
| 尺寸 Size                       | 35*30*12                  | mm      |
| 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 | +/-10%   |

外形尺寸Outline Drawing:



真值表 Truth Table

| TTL Control Input | Signal Path State |
|-------------------|-------------------|
| C1                |                   |
| 0                 | J0-J1             |
| 1                 | J0-J2             |

TTL Control Voltages &VDD

| Stage   | Bias Condition |
|---------|----------------|
| VDD     | +5V (±10%)     |
| VEE     | -5V (±10%)     |
| Low(0)  | 0 to 0.8Vdc    |
| High(1) | 2 to +5Vdc     |



OBSERVE PRECAUTIONS  
ELECTROSTATIC SENSITIVE  
DEVICES

温度环境 Environmental Conditions:

| 参数Parameter                        | Min.                                                | Typ. | Max. | 单位Units |
|------------------------------------|-----------------------------------------------------|------|------|---------|
| 操作温度 Operating Temperature         | -25                                                 |      | +75  | ℃       |
| 存储温度 Non-operating Temperature     | -55                                                 |      | +125 | ℃       |
| 相对湿度 Relative humidity             |                                                     | 95   |      | %       |
| 海拔 Altitude                        | 50,000                                              |      |      | feet    |
| 震动 Shock / Vibration(MIL-STD-810F) | 25g rms (15 degree 2KHz) endurance, 1 hour per axis |      |      |         |
| 冲击 Shock(non operating)            | 20G for 11msc half sin wave,3 axis both directions  |      |      |         |

订货信息 Ordering Information:

| 标准型号 Part Number   | 描述 Description                                        | 版本号Revision |
|--------------------|-------------------------------------------------------|-------------|
| TURSP2T0.4G12GA-60 | Absorption,Broadband PIN Switch<br>0.4-12GHz,SPDT,SMA | Rev.1.1     |