

**Model:TLPA6G18G-35-36-W**

**Power amplifier,6-18GHz,Gain:33dB,  
Psat:36 dBm**

**Feature:**

- Ultra Wide Band: 6-18GHz
- Gain: 33dB Min
- Psat Output Power: 36 dBm Min
- Good Power and Gain Flatness
- 50 Ohm Matched Input / Output

**电气特性 Electrical:**

| 参数Parameter            | Min. | Typ. | Max. | 单位Units |
|------------------------|------|------|------|---------|
| 频率范围 Frequency range   | 6-18 |      |      | GHz     |
| 增益 Gain                | 33   |      |      | dB      |
| 饱和输出功率 Psat            | 36   |      |      | dBm     |
| 杂散 spurious            | 50   |      |      | dBc     |
| 谐波harmonics            | 10   |      |      | dBc     |
| 直流电压 DC Voltage        |      | 28   |      | V DC    |
| 直流电流 DC Supply Current | 1100 |      |      | mA      |
| 阻抗 Impedance           | 50   |      |      | Ohms    |

**机械特性 Mechanical :**

| 参数Parameter                  | 指标 Value   | 单位Units                |
|------------------------------|------------|------------------------|
| 输入输出接Input /Output Connector | SMA Female |                        |
| 直流偏置 Bias                    | J30J-9ZKP  | 1-4: +28V;<br>5-9: GND |
| 尺寸 Size                      | /          | mm                     |
| 重量 Weight                    | 500        | g                      |

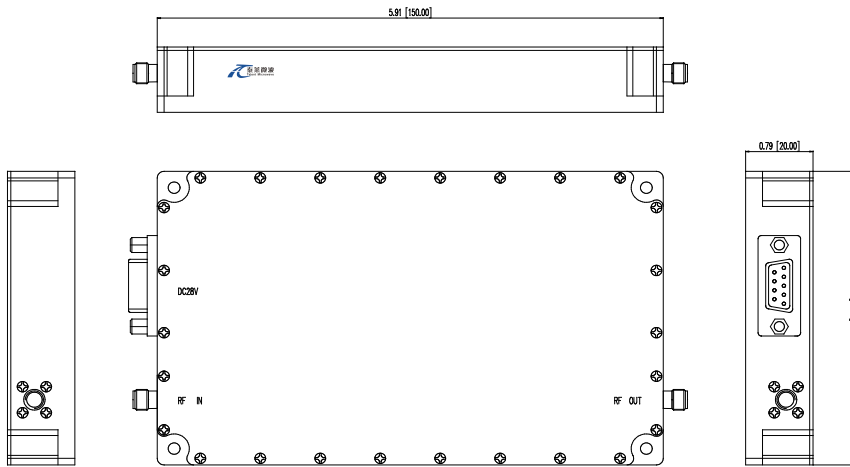


**绝对最大值 Absolute Maximum Ratings:**

| 参数Parameter                  | 指标 Value             |
|------------------------------|----------------------|
| 供电偏置电压 Supply Bias Voltage   | +13V                 |
| 输入功率 RF INPUT POWER          | +10 dbm              |
| ESD灵敏度 ESD sensitivity (Hbm) | Class 0, passed 150V |

**外形尺寸 Outline Drawing:**

Unit: mm(inches)



**\*\*\*Heat Sink Required During Operation**



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         | -45  |      | +85  | °C      |
| 存储温度 Non-operating Temperature     | -55  |      | +125 | °C      |
| 相对湿度 Relative humidity             |  | 95   |      | %       |
| 海拔 Altitude                        | 30,000   |      |      | feet    |
| 震动 Shock / Vibration(MIL-STD-810F) | 20g,11ms,saw-tooth                                 |      |      |         |
| 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 |
|------------------|---|-------------|
| TLPA6G18G-35-36  | Power amplifier,6-18GHz,Gain:33dB,<br>Psat:36 dBm, SMA Female | Rev.1.1     |