

Model: TMPA-110150-3515-06
Power Amplifier
110-150GHz, Psat:15 dBm, Gain:35 dB
Feature:

- Frequency Range: 110-150 GHz
- Gain:35 dBm Type
- Output Power Psat: 15 dBm Type
- Good Power and Gain Flatness

电气特性 Electrical:

| 参数Parameter | Min. | Typ. | Max. | 单位Units |
|------------------------|---------|------|------|---------|
| 频率范围 Frequency range | 110-150 | | | GHz |
| 增益 Gain | | 35 | | dB |
| 饱和输出功率Psat | | 15 | | dBm |
| 输入驻波 Input VSWR | | 2.0 | | :1 |
| 输出驻波Output VSWR | | 2.0 | | :1 |
| 直流电压 DC Voltage | | +5 | | V DC |
| 直流电流 DC Supply Current | | 400 | | mA |

机械特性 Mechanical :

| 参数Parameter | 指标 Value | 单位Units |
|-------------------------------|---------------|---------|
| 输入输出接口Input /Output Connector | WR-6/UG-387/U | |
| 直流偏置 Bias | Solder Pin | |
| 尺寸 Size | / | mm |
| 重量 Weight | / | g |

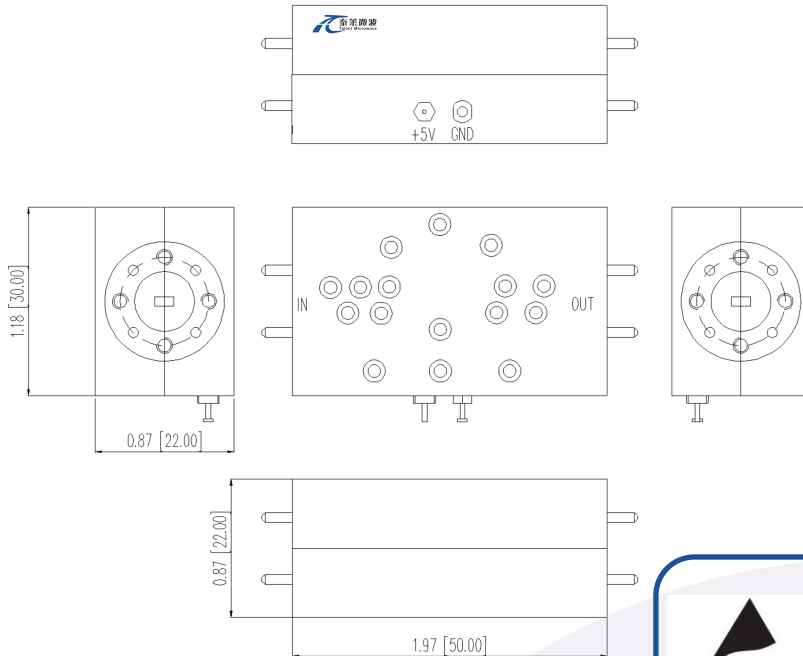
绝对最大值 Absolute Maximum Ratings:

| 参数Parameter | 指标 Value |
|------------------------------|----------------------|
| 供电偏置电压 Supply Bias Voltage | TBD |
| 输入功率 RF INPUT POWER | 11 dBm |
| ESD灵敏度 ESD sensitivity (HBm) | Class 0, passed 150V |


 Available 220V System
 Benchtop Amplifier

外形尺寸 Outline Drawing:

Unit: mm(Inches)



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

温度环境 Environmental Conditions:

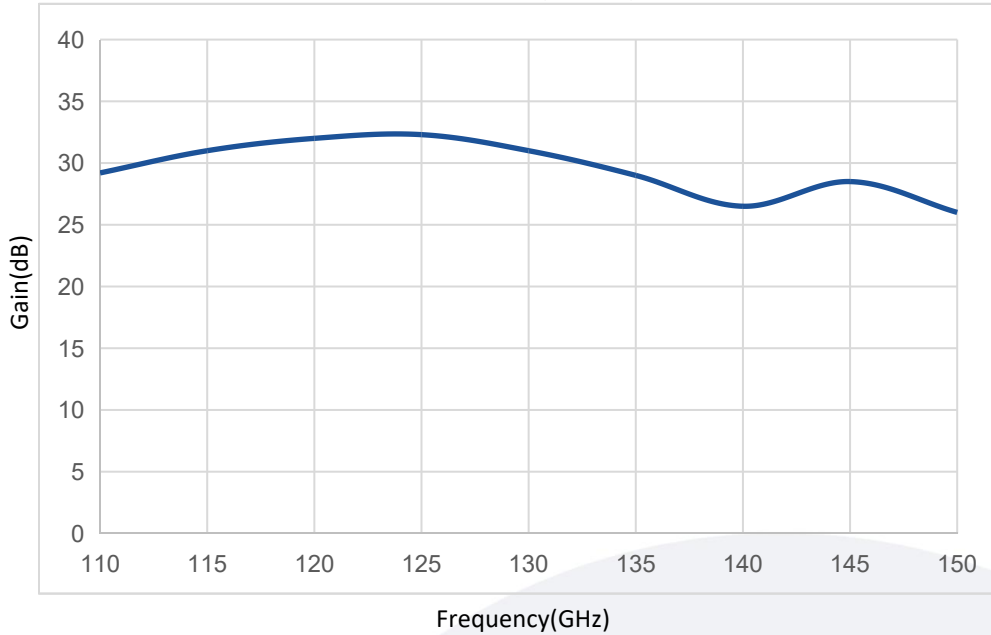
| 参数Parameter | Min. | Typ. | Max. | 单位Units |
|------------------------------------|---|------|------|---------|
| 操作温度 Operating Temperature | 0 | | +50 | °C |
| 存储温度 Non-operating Temperature | -45 | | +125 | °C |
| 相对湿度 Relative humidity | | 95 | | % |
| 海拔 Altitude | 50,000 | | | feet |
| 震动 Shock / 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:

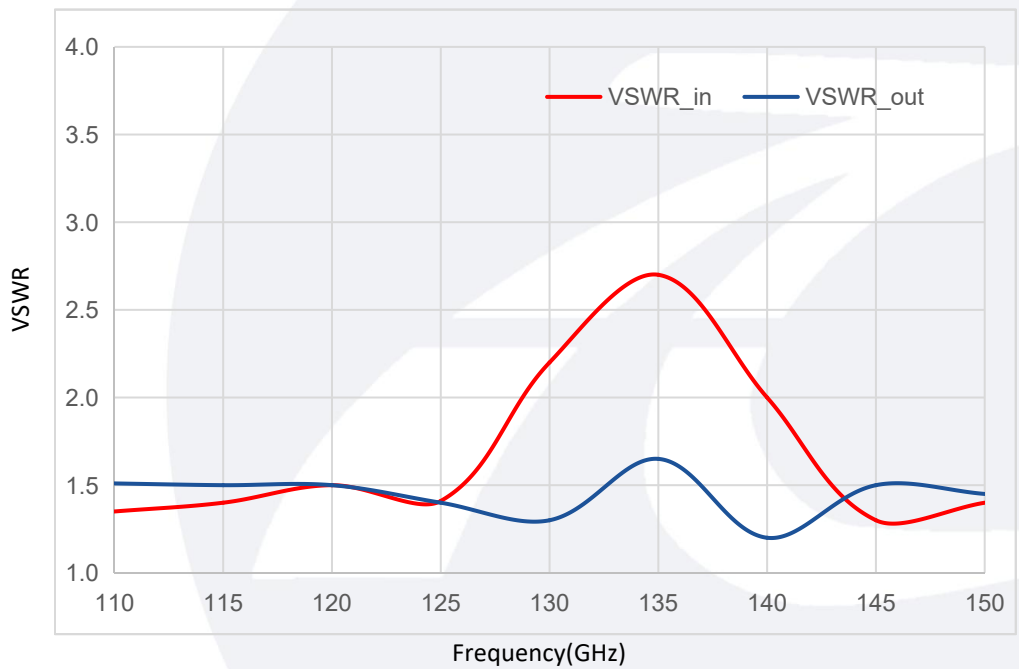
| 标准型号 Part Number | 描述 Description | 版本号Revision |
|---------------------|---|-------------|
| TMPA-110150-3515-06 | Power Amplifier 110-150 GHz, Psat:15 dBm Type, Gain:35 dBm Type,WR-6 | Rev.1.1 |

典型曲线 Typical Performance Data:

Gain vs Frequency

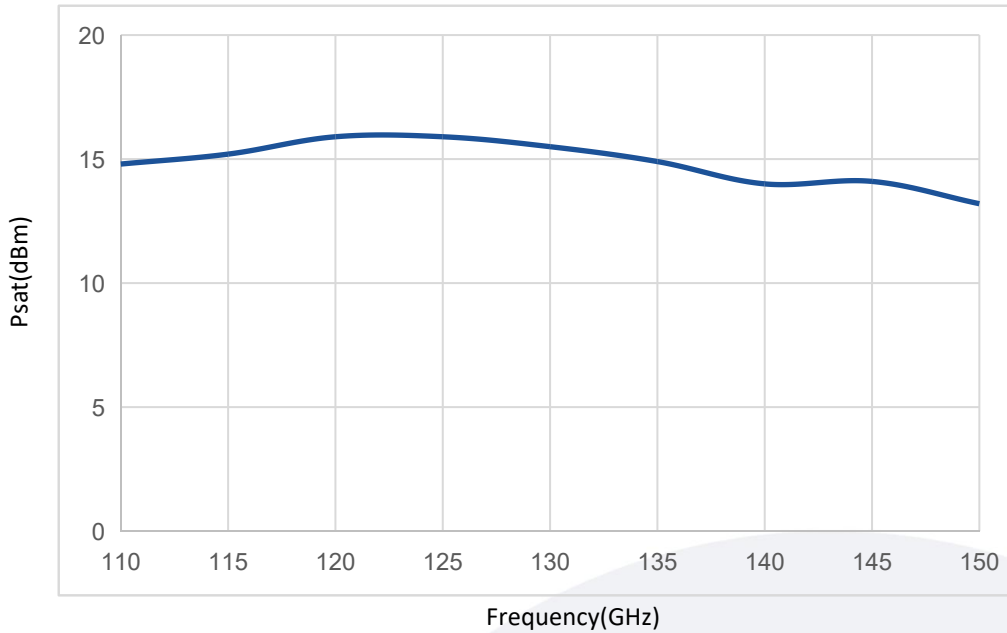


VSWR_in/VSWR_out VS Frequency



典型曲线 Typical Performance Data:

Psat vs Frequency



I vs Frequency

