

Model:TLPA700M2700M-50-50-BC
**Benchtop Power Amplifier
 700-2700MHz,Gain:50dB,Psat:50dBm**
Feature:

- Ultra Wide Band: 700-2700MHz
- Gain: 50dB Min
- Psat Output Power: 50dBm
- 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 | 700-2700 | | | MHz |
| 增益 Gain | 50 | | | dB |
| 增益平坦度 Gain Flatness | | ±2.0 | ±3.0 | dB |
| 线性输出功率P1dB | | 47 | | dBm |
| 饱和输出功率Psat | 50 | | | dBm |
| 杂散 Non-Harmonic Spurious | | | -60 | dBc |
| 谐波 Harmonics | | | -10 | dBc |
| 增益调节范围 Gain adjustable range | 30 | | | dB |
| 输入驻波 Input VSWR | | 1.5 | 2.0 | :1 |
| 交流电压 AC Voltage | 110 | 220 | | V AC |
| AC电流 AC Supply Current | 2.5A@220V AC | | | A |
| 阻抗 Impedance | 50 | | | Ohms |

机械特性 Mechanical :

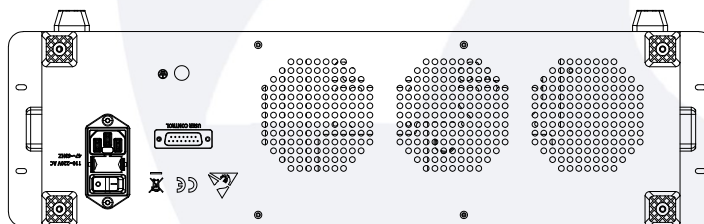
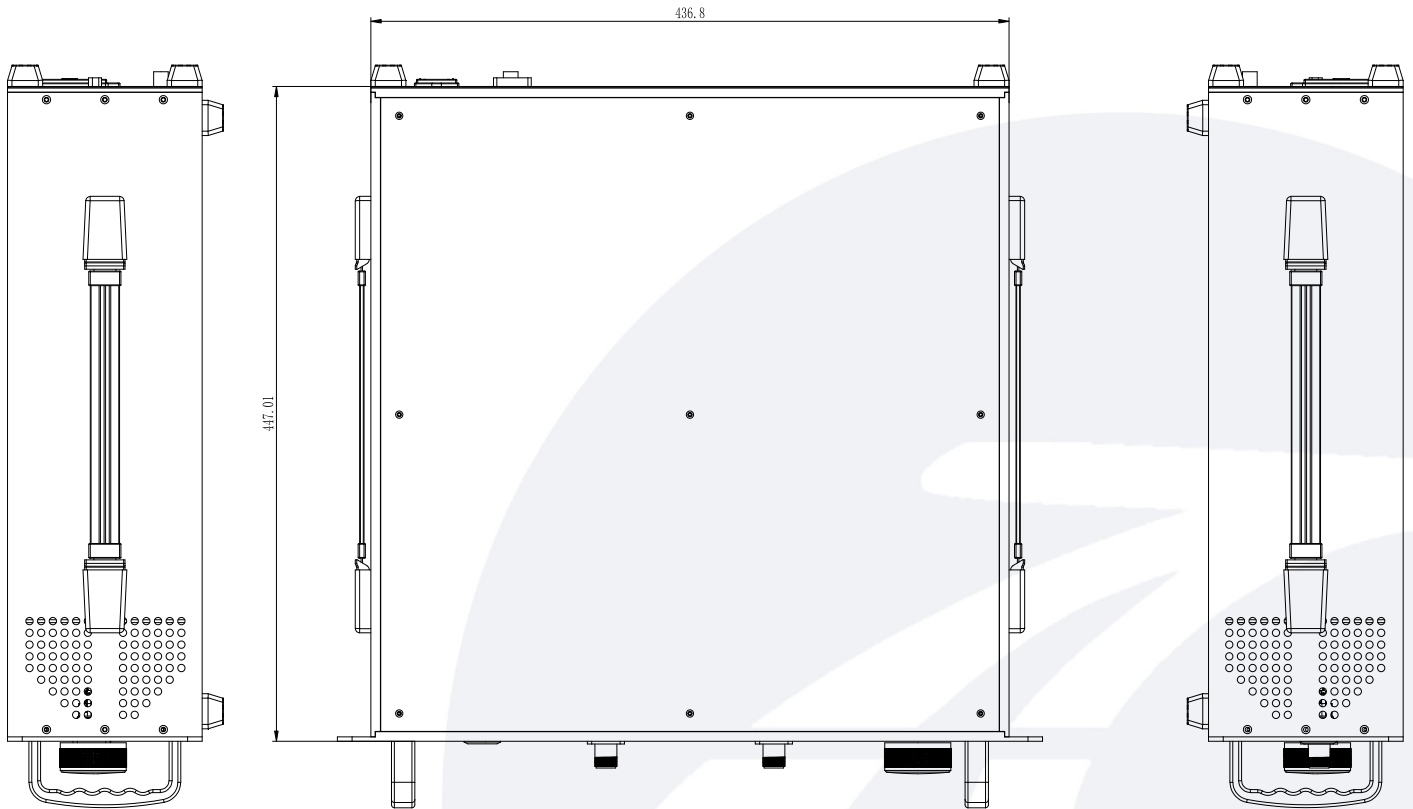
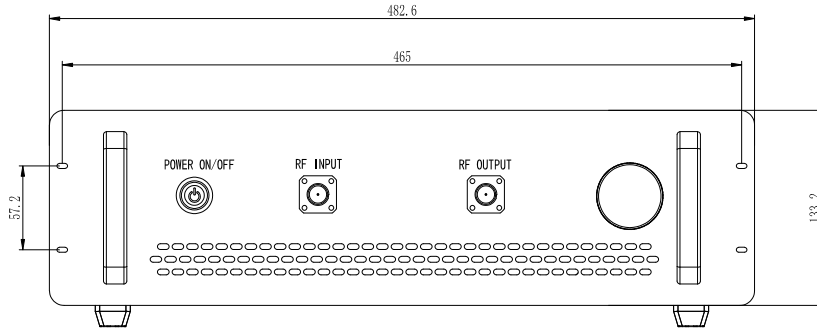
| 参数Parameter | 指标 Value | 单位Units |
|-----------------------------------|-------------|---------|
| 输入输出接口 Input /Output Connector | N Female | |
| 尺寸 Size | 3U*500mm深度 | |
| 重量 Weight | 10 | kg |

绝对最大值 Absolute Maximum Ratings:

| 参数Parameter | 指标 Value |
|------------------------------|----------------------|
| 输入功率 RF INPUT POWER | 5 dBm |
| ESD灵敏度 ESD sensitivity (HBm) | Class 0, passed 150V |

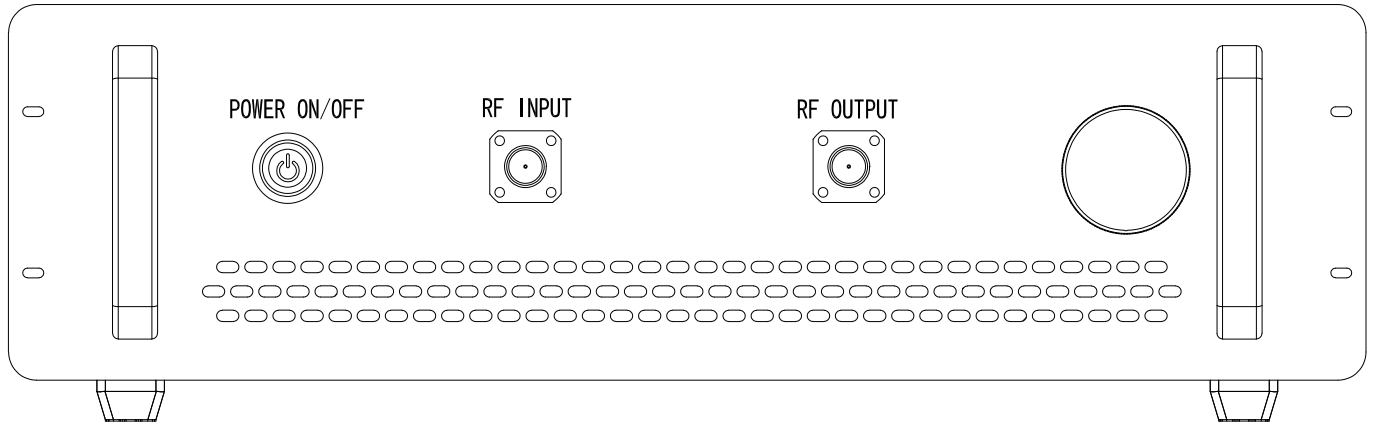
外形尺寸 Outline Drawing:

Unit: mm



外形尺寸 Outline Drawing:

Unit: mm



温度环境 Environmental Conditions:

| 参数Parameter | Min. | Typ. | Max. | 单位Units |
|------------------------------------|---|------|------|---------|
| 操作温度 Operating Temperature | -45 | | +50 | °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) | 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 |
|------------------------|---|-------------|
| TLPA700M2700M-50-50-BC | Power amplifier 700-2700MHz, Gain:50dB, P1dB:47dBm, 220V AC, Built in Fan Cooling | Rev.1.0 |