

**Model: TLPA1G6G-54-54-BC**
**Benchtop Power Amplifier  
 1-6GHz, Gain: 54dB, Psat: 54dBm**
**Feature:**

- Ultra Wide Band: 1-6GHz
- Gain: 54dB Min
- Psat Output Power: 54 dBm Typ
- 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	1-6			GHz
增益 Gain	54			dB
增益平坦度 Gain Flatness		±2.0	±3.0	dB
线性输出功率P1dB		50		dBm
饱和输出功率Psat	54			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	6A@220V AC			A
阻抗 Impedance	50			Ohms

**机械特性 Mechanical :**

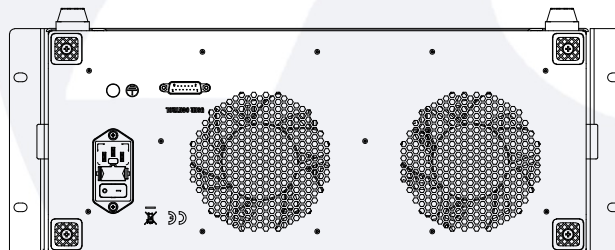
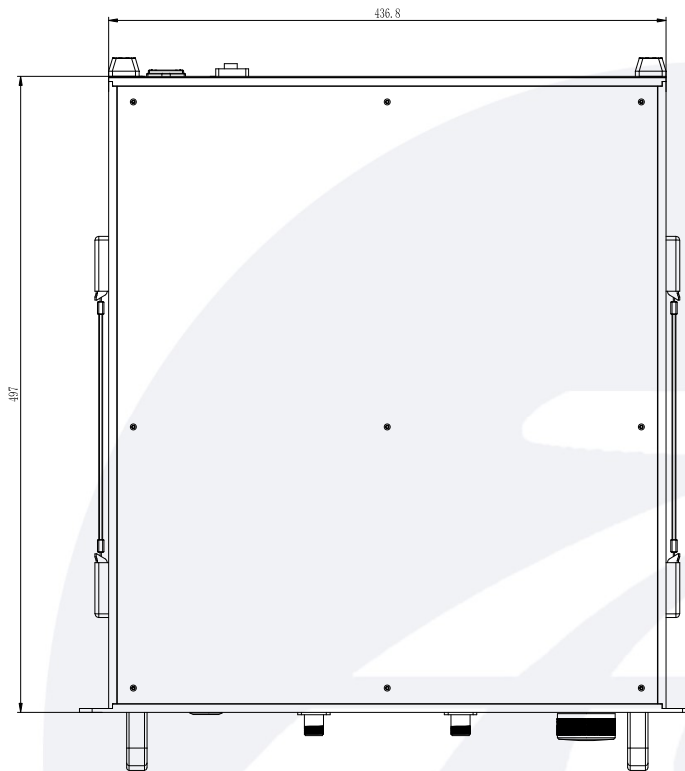
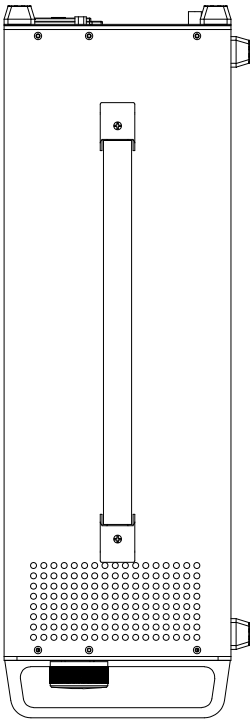
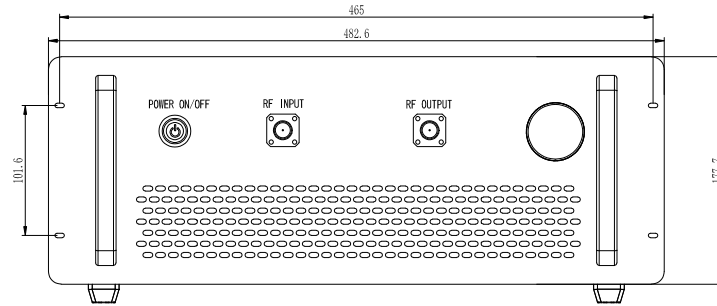
参数Parameter	指标 Value	单位Units
输入输出接口 Input /Output Connector	N Female	
尺寸 Size	4U*500mm深度	
重量 Weight	15	kg

**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

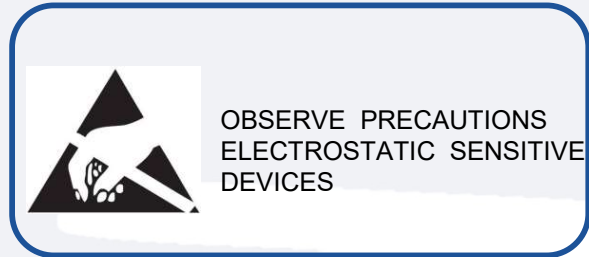
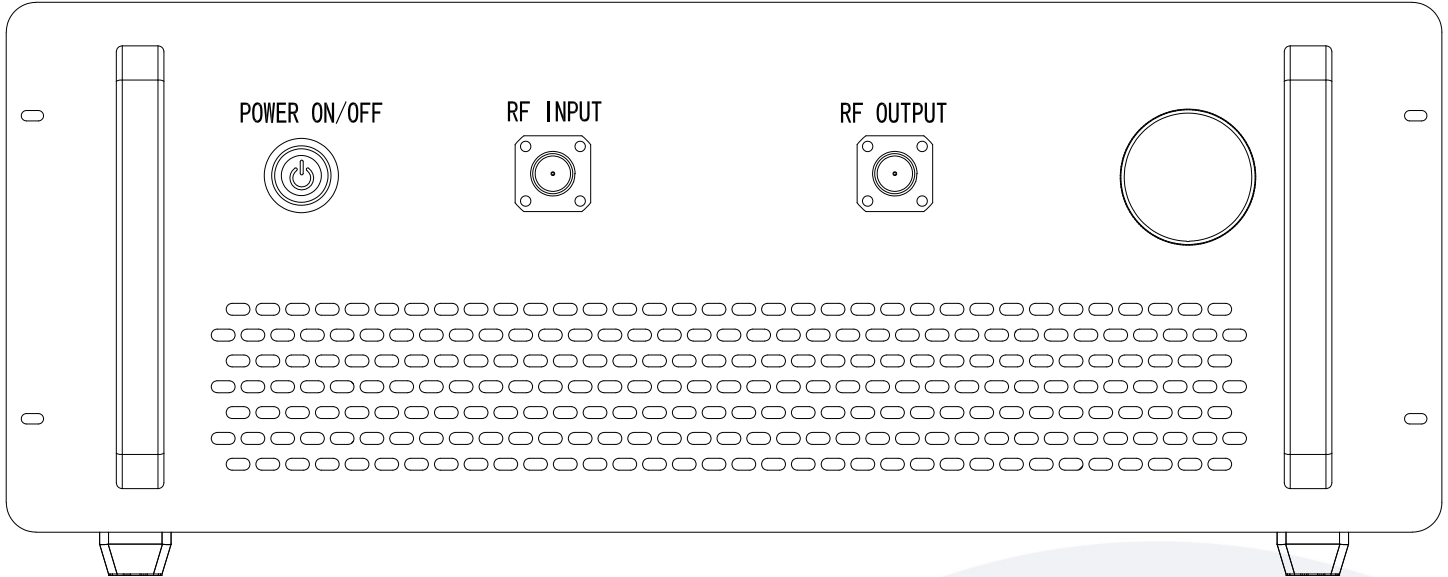
外形尺寸 Outline Drawing:

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
TLPA1G6G-54-54-BC	Power amplifier 1-6GHz, Gain:54dB, Psat:54dBm, 220V AC, Built in Fan Cooling	Rev.1.0