

Model:TLPA2G6G-56-56
Power Amplifier
2-6GHz,Gain:56dB,PsatdB:56dBm
Feature:

- Wide Band: 2-6GHz
- Gain: 54dB Min
- P1dB Output Power: 53 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	2-6			GHz
增益 Gain	54			dB
增益平坦度 Gain Flatness		±2.0	±3.0	dB
噪声系数 Noise Figure				dB
线性输出功率P1dB		53		dBm
饱和输出功率Psat	56			dBm
杂散Spurious@56dBm			-60	dBc
谐波Harmonics@56dBm		-15		dBc
输入驻波 Input VSWR		1.5	2.0	:1
输出驻波 Onput VSWR				:1
直流电压 DC Voltage		36		V DC
直流电流 DC Supply Current	140A@36V			A
阻抗 Impedance	50			Ohms

机械特性 Mechanical :

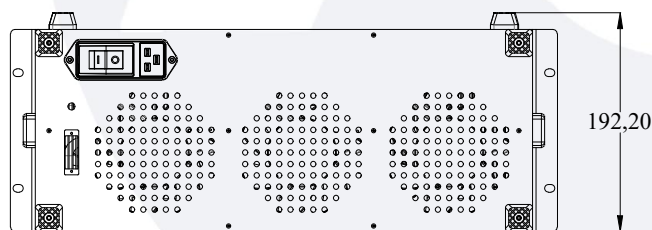
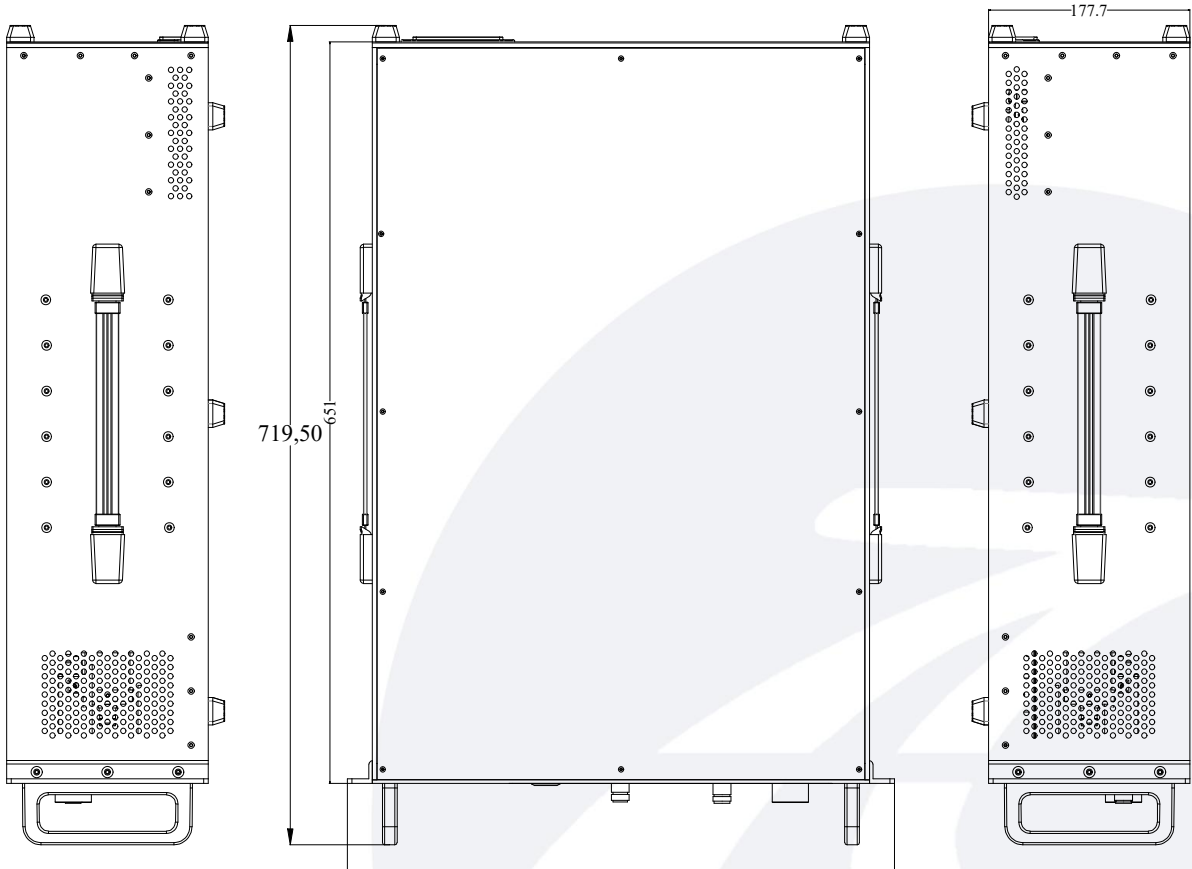
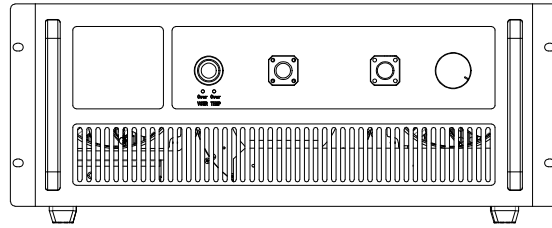
参数Parameter	指标 Value	单位 Units	备注 Notes
输入输出接口 Input /Output Connector	N- Female		
监控和控制接口 Monitor and control interface	RS485 or Ethernet		
尺寸 Size	482.6*177.7*651	mm	Excluding handles
重量 Weight	25	kg	

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

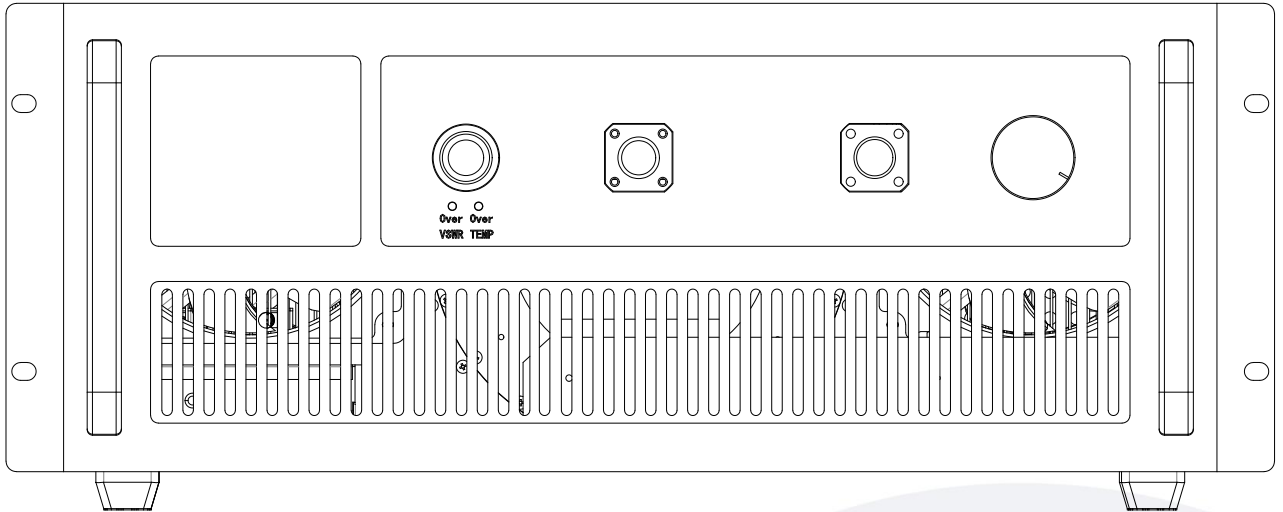
外形尺寸 Outline Drawing:

Unit: mm



外形尺寸 Outline Drawing:

Unit: mm



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	-30		+60	°C
存储温度 Non-operating Temperature	-40		+85	°C
相对湿度 Relative humidity		98		%
海拔 Altitude		15,000		feet
冲击/震动 Shock / Vibration(MIL-STD-810F)	Designed for ground/base/ vehicle use			

订货信息 Ordering Information:

标准型号 Part Number	描述 Description	版本号Revision
TLPA2G6G-56-56	Power amplifier 2-6GHz, Gain:56dB, Psat:56dBm, 36V DC, Built in Fan Cooling	Rev.1.0