

Model: TLP A30M100M-53-53-BC
Power Amplifier
30-100MHz, Gain: 53dB, Psat: 200 Watts
Feature:

- Wide Band: 30-100MHz
- Gain: 53dB Min
- Psat Output Power: 200 Watts 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	30-100			MHz
增益 Gain	53	55		dB
增益平坦度 Gain Flatness		±2.0	±3.0	dB
线性输出功率P1dB		100		Watts
饱和输出功率Psat	200	250		Watts
杂散Spurious@200 Watts			-60	dBc
谐波Harmonics@200 Watts		-15		dBc
输入驻波 Input VSWR		1.5	2.0	:1
输出驻波 Onput VSWR				:1
交流电压 AC Voltage	110	220		V AC
交流功耗AC Input Power			800	Watts
阻抗 Impedance	50			Ohms

机械特性 Mechanical :

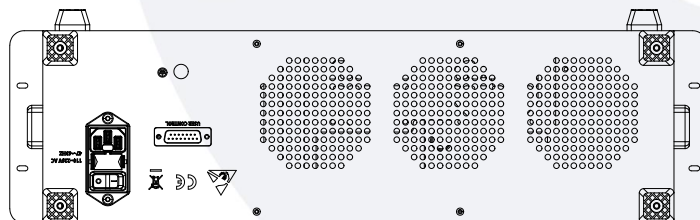
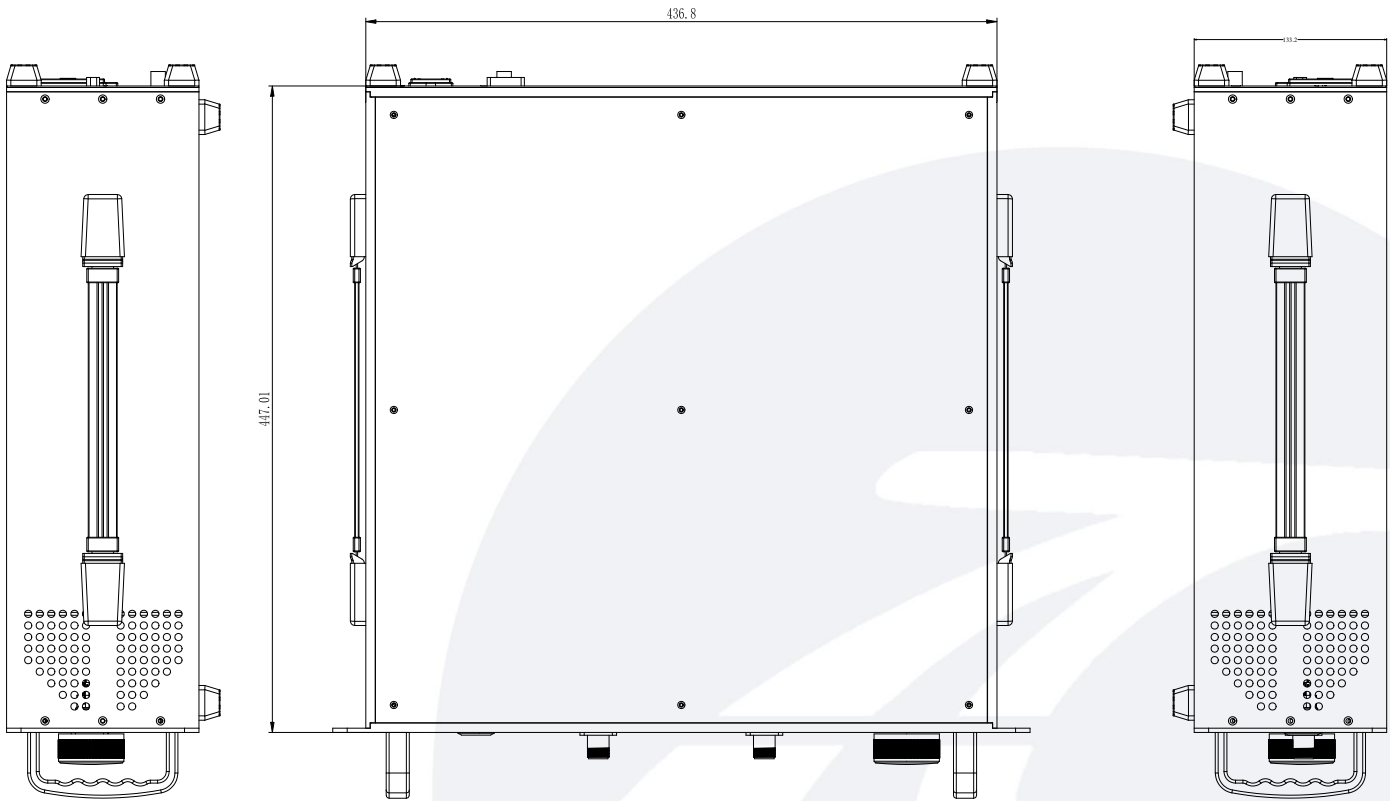
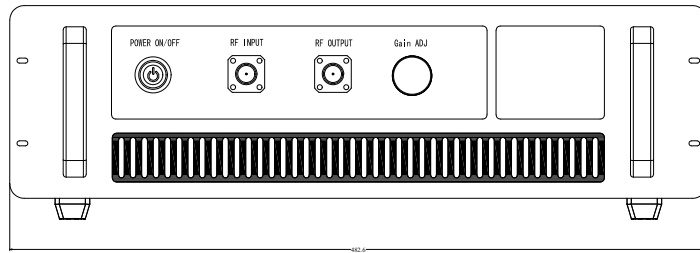
参数Parameter	指标 Value	单位 Units	备注 Notes
输入输出接口 Input /Output Connector	N- Female		
尺寸 Size	482.6*133.2*447	mm	Excluding handles
重量 Weight	25	kg	

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

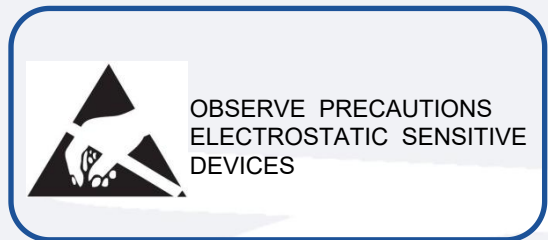
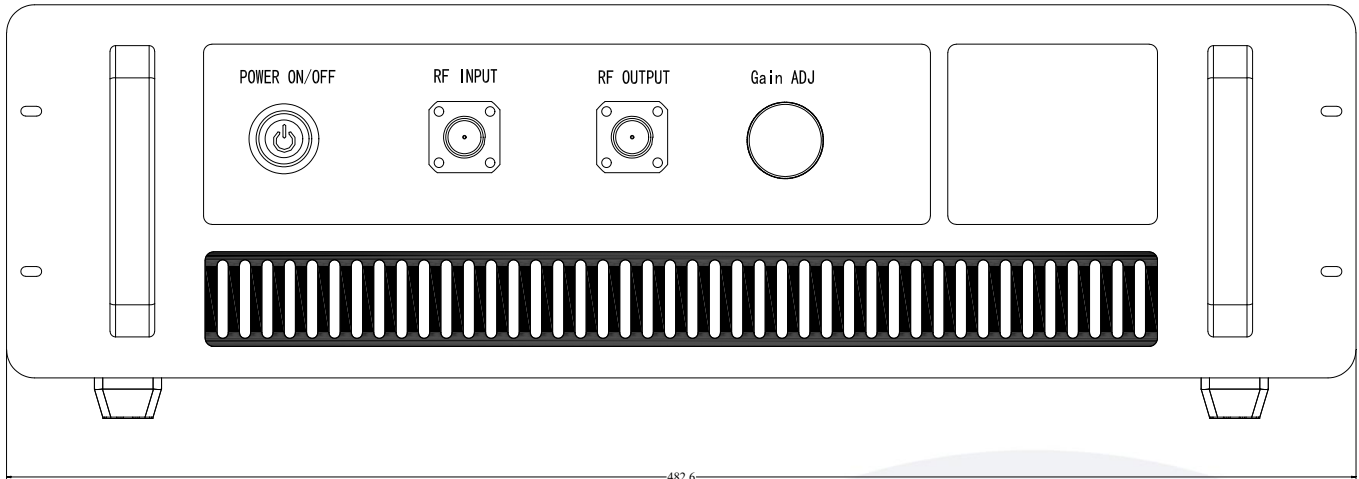
外形尺寸 Outline Drawing:

Unit: mm



外形尺寸 Outline Drawing:

Unit: mm



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	-40		+85	°C
相对湿度 Relative humidity		95		%
海拔 Altitude		15,000		feet
冲击/震动 Shock / Vibration(MIL-STD-810F)		Normal Truck Transport		

订货信息 Ordering Information:

标准型号 Part Number	描述 Description	版本号Revision
TLPA30M100M-53-53-BC	Power amplifier 30-100MHz,Gain:53dB,Psat:200 Watts, 220V AC,Built in Fan Cooling	Rev.1.0