

Model: TLPA0.4G8G-40-41-BC
**Solid State High Power Amplifier Systems
 0.4-8GHz, Gain: 40dB, PSat: 40dBm, 220V AC**
Feature:

- Ultra Wide Band: 0.4-8GHz
- Gain: 40dB Min
- P1dB Output Power: 40dBm Typ
- 50 Ohm Matched Input / Output


电气特性 Electrical:

参数Parameter	代码 Symbo	Min.	Typ.	Max.	单位Units
频率范围 Frequency range	BW	0.4-8			GHz
增益 Gain	Gp	40	43		dB
增益平坦度 Gain Flatness	ΔG		± 3.0	± 5.0	dB
饱和输出功率 PSat	Psat	39	41		dBm
线性输出功率 PSat	PSat	38	40		dBm
杂散抑制 Spurious	Spur			-60	dBc
谐波抑制 Harmonics	HM			-10	dBc
输入驻波 Input VSWR	VSWRin		1.5	2.0	:1
交流电压 DC Voltage	Vdc	110	220		V AC
直流电流 DC Supply Current	DC	1A@220V AC			A
阻抗 Impedance	I/O-IMP	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/N-Female	
尺寸 Size	3U*500mm深度	mm
重量 Weight	15	Kg

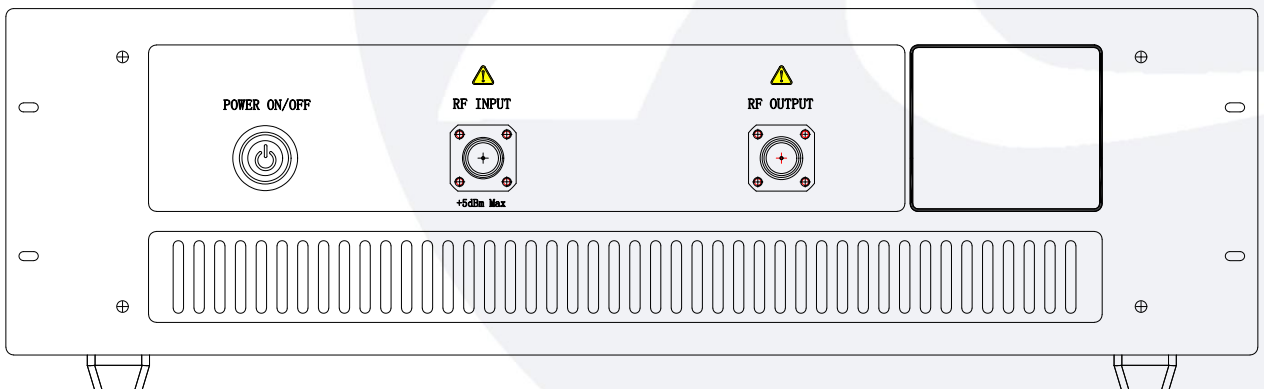
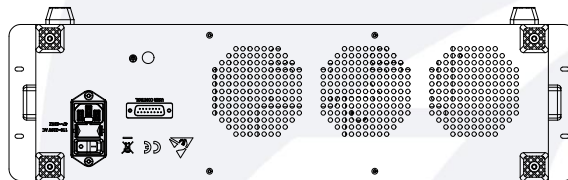
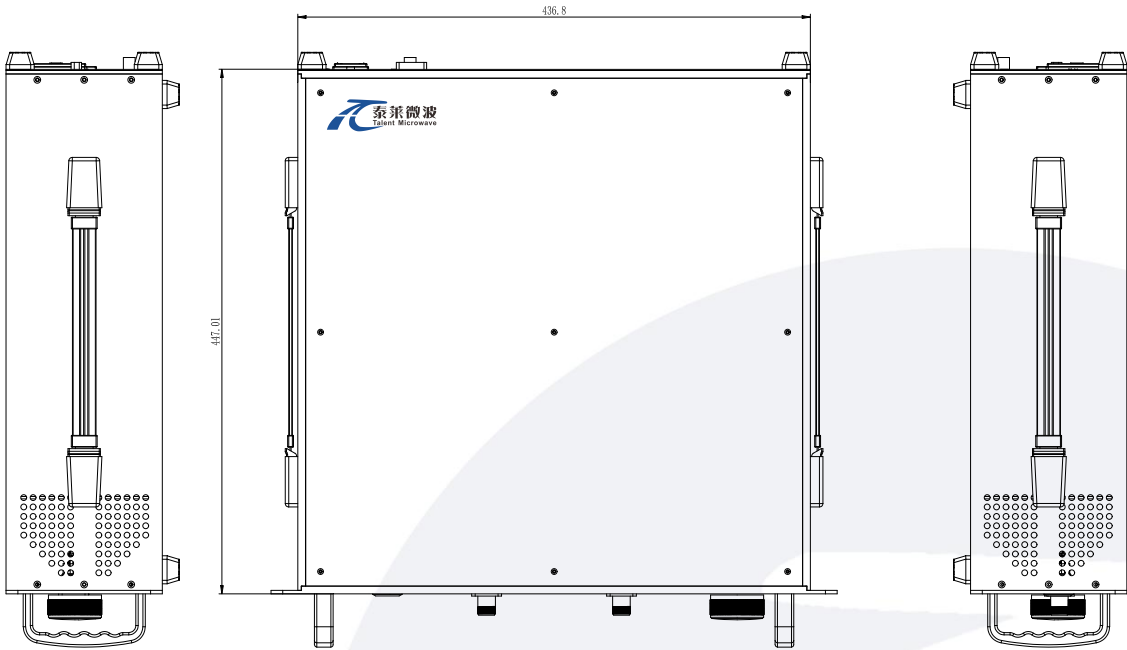
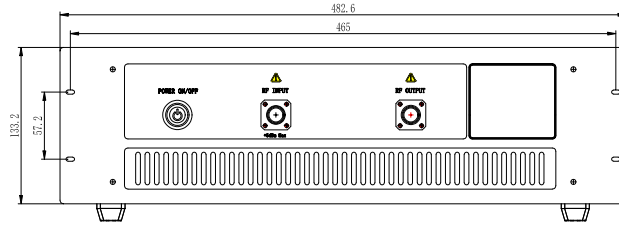

 Available 220V System
 Benchtop Amplifier

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	5 dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

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	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
TLPA0.4G8G-40-41-BC	Power amplifier 0.8-40GHz, Gain:40dB, PSat:40dBm, 220V AC, Built in Fan Cooling	Rev.1.1