

Model:TLPA18G36G-40-37
Power Amplifier
18-36GHz, Gain:40dB, Psat:37dBm
Feature:

- Ultra Wide Band:18-36GHz
- Gain:40dB Typ
- Psat Output Power:37dBm Min
- Good Power and Gain Flatness
- 50 Ohm Matched Input / Output

电气特性 Electrical Specifications:

参数Parameter	Min	Typ	Max	单位Units
频率范围 Frequency range	18-36			GHz
增益 Gain		40		dB
饱和输出功率 Output Psat	37			dBm
杂散 Spurious			-50	dBc
谐波 Harmonics			-20	dBc
输入驻波 Input VSWR		2		:1
直流电压 DC Voltage		+24		V DC
直流电流 DC Supply Current		3.5		A
阻抗 Impedance	50			Ohms

机械特性 Mechanical Specifications:

参数Parameter	指标 Value	单位Units
输入输出接口 Input /Output Connector	2.92 Female/2.92 Female	
直流偏置 DC Bias	Solder Pin	
尺寸 Size	/	mm
重量 Weight	1	Kg

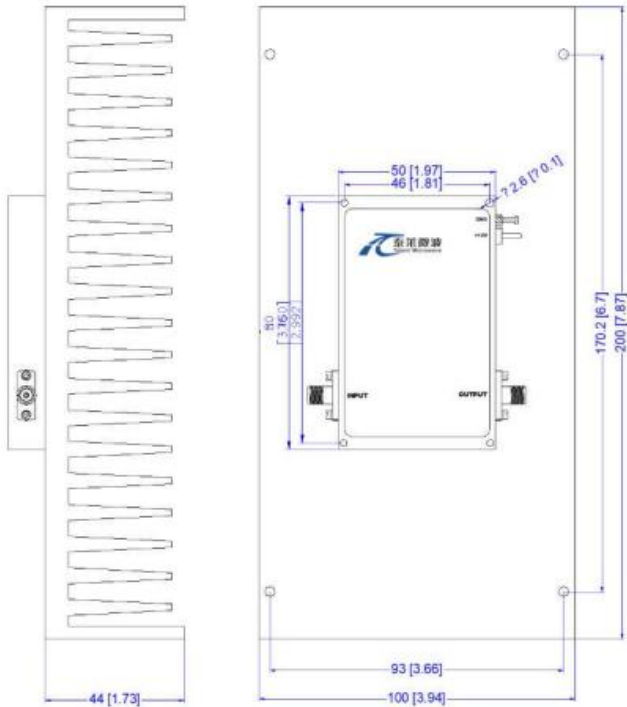
绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	+30V
输入功率 RF Input Power	10dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V


**Available 220V System
Benchtop Amplifier**

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	-0		+50	°C
存储温度 Non-operating Temperature	-20		+75	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	50000			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
TLPA18G36G-40-37	Power amplifier 18-36GHz,Gain 40dB,Psat:37dBm,+24V DC,Without Heatsink.	Rev.1.1
TLPA18G36G-40-37-HS	Power amplifier 18-36GHz,Gain 40dB,Psat:37dBm,+24V DC,With Heatsink.	Rev.1.1