

**Model:TLPA18G26.5G-40-37**
**Power Amplifier**
**18-26.5GHz,Gain:40dB,Psat:37dBm**
**Feature:**

- Ultra Wide Band:18-26.5GHz
- Gain:40dB Min
- 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	18-26.5			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

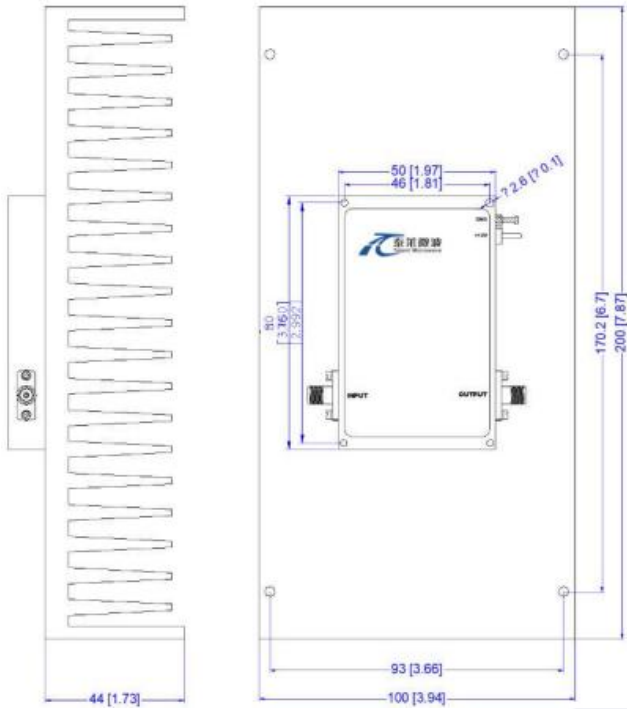
**绝对最大值 Absolute Maximum Ratings:**

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



**\*\*\*Heat Sink Required During Operation**



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
TLPA18G26.5G-40-37	Power amplifier 18-26.5GHz,Gain 40dB,Psat:37dBm,+24V DC,Without Heatsink.	Rev.1.1
TLPA18G26.5G-40-37-HS	Power amplifier 18-26.5GHz,Gain 40dB,Psat:37dBm,+24V DC,With Heatsink.	Rev.1.1