

Model:TLPA26.5G40G-51-52
Power Amplifier
26.5-40GHz,Gain:51dB,Psat:52dBm
Feature:

- Ultra Wide Band: 26.5-40GHz
- Gain:51dB Min
- Psat Output Power:52dBm Typ
- Good Power and Gain Flatness
- 50 Ohm Matched Input / Output

电气特性 Electrical Specifications:

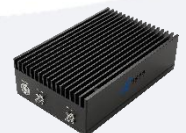
参数Parameter	Min	Typ	Max	单位Units
频率范围 Frequency range	26.5-40			GHz
小信号增益 Small Signal Gain	51			dB
增益平坦度 Gain Flatness		±4.5		dB
线性输出功率 Output P1dB	50			dBm
饱和输出功率 Output Psat		52		dBm
杂散 Spurious			-50	dBc
谐波 Harmonics			-20	dBc
输入驻波 Input VSWR		2	2.5	:1
直流电压 DC Voltage		+24		V DC
直流电流 DC Supply Current			70	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/WR-28	
DC加电接口 DC Power Interface	Solder Pin	
尺寸 Size	/	mm
重量 Weight	25	Kg

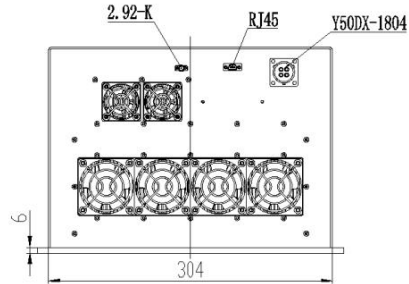
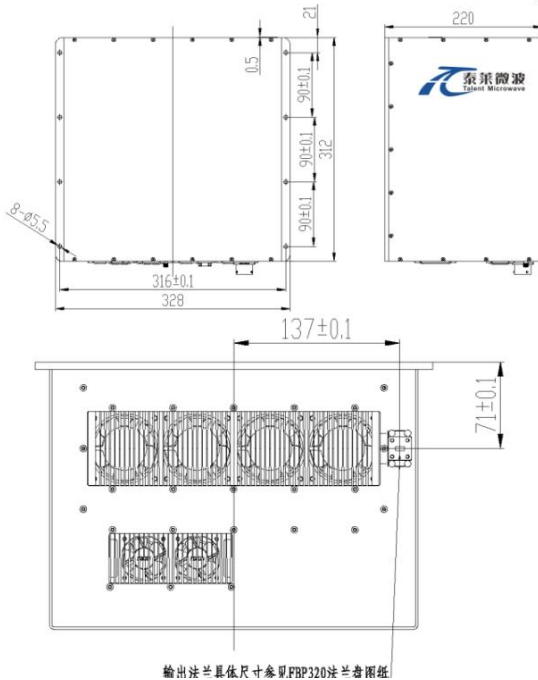
绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	A1-2:+24V;A3-4:GND
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



温度环境 Environmental Conditions:

参数 Parameter	Min	Typ	Max	单位 Units
操作温度 Operating Temperature*	-20		+50	°C
存储温度 Non-operating Temperature*	-30		+60	°C
相对湿度 Relative humidity		95		%
海拔 Altitude		10000		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			

*Note: For a wider temperature range, please consult the manufacturer.

订货信息 Ordering Information:

标准型号 Part Number	描述 Description	版本号Revision
TLPA26.5G40G-51-52	Power amplifier 26.5-40GHz, Gain:51dB, Psat:52dBm, +24V DC, Without Heatsink.	Rev.1.1