

**Model:TLPA18G40G-30-32-HS**
**Power Amplifier**
**18-40GHz,Gain:30dB ,Psat:32dBm**
**Feature:**

- Ultra Wide Band: 18-40GHz
- Gain: 30dB Min
- Psat Output Power: 32 dBm 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	18-40			GHz
增益 Gain	30	33		dB
增益平坦度 Gain Flatness		±3		dB
输出P1dB	30	31		dBm
饱和输出功率 Psat	32	33		dBm
输入驻波 Input VSWR		2.0	2.2	:1
输出驻波 Output VSWR		2.0	2.2	:1
直流电压 DC Voltage		24		V DC
直流电流 DC Supply Current		2		A
阻抗 Impedance	50			Ohms

**机械特性 Mechanical :**

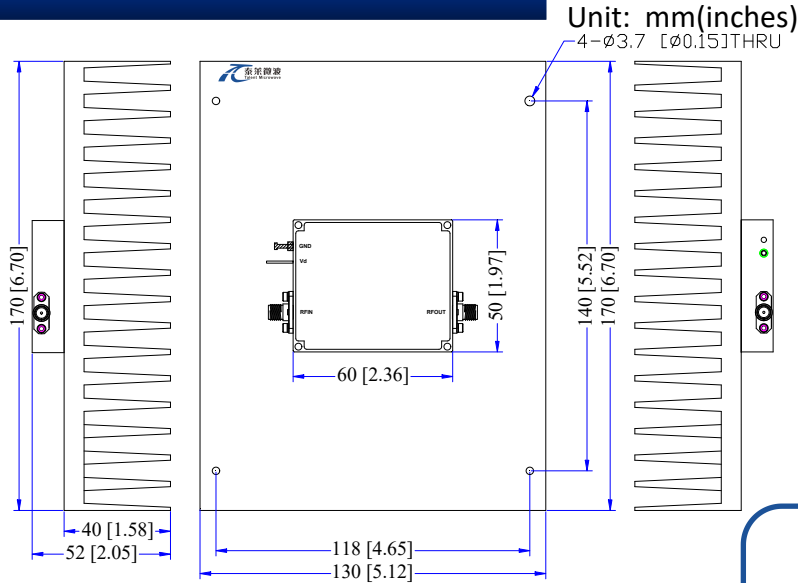
参数Parameter	指标 Value	单位 Units
输入输出接Input /Output Connector	2.92mm Female	
直流偏置 Bias	Solder Pin	
尺寸 Size	130*170*52	mm
重量 Weight	/	g


 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:**



**\*\*\*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	-25		+85	°C
存储温度 Non-operating Temperature	-55		+125	°C
相对湿度 Relative humidity		95		%
海拔 Altitude		30,000		feet
震动 Shock / Vibration(MIL-STD-810F)		20g,11ms,saw-tooth		
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
TLPA18G40G-30-32-HS	Power amplifier 18-40GHz,Gain:30dB Min,24V DC,2.92mm Female	Rev.1.1