

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

- Ultra Wide Band: 18-36GHz
- Gain: 40dB
- Psat Output Power: 37 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	18-36			GHz
增益 Gain		40		dB
饱和输出功率 Psat	37			dBm
输入驻波 Input VSWR		2.0		:1
输入功率 Input Power			10	dBm
杂散 Internally Generated Spurious@Pout=37dBm	-50			dBc
谐波抑制@Pout=37dBm	-20			dBc
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 :

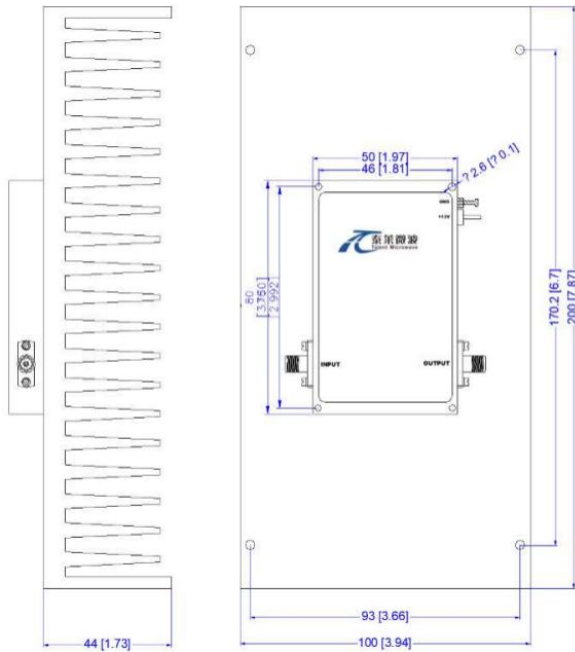
参数Parameter	指标 Value	单位Units
输入输出接Input /Output Connector	2.92mm Female	
直流偏置 Bias	Solder Pin	
尺寸 Size	/	mm
重量 Weight	1000	g


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	+10 dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

外形尺寸 Outline Drawing:

Unit: mm(inches)



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	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
TLPA18G36G-40-37	Power amplifier 18-36GHz,Gain:40dB,24V DC, 2.92mm Female	Rev.1.1