

**Model:TLPA18G50G-35-27**
**Power Amplifier**  
**18-50GHz,Gain:35dB,Psat:27dBm**
**Feature:**

- Ultra Wide Band: 18-50GHz
- Gain: 35dB
- Psat Output Power: 27 dBm
- 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	18-50			GHz
增益 Gain	32	35		dB
增益平坦度 Gain Flatness		±1.5	±2.5	dB
噪声系数 Noise Figure		5.0	6.5	
线性输出功率P1dB		24		
饱和输出功率 Psat		27		dBm
输入驻波 Input VSWR		1.8	2.5	:1
直流电压 DC Voltage		12		V DC
直流电流 DC Supply Current	800			mA
阻抗 Impedance	50			Ohms

**机械特性 Mechanical :**

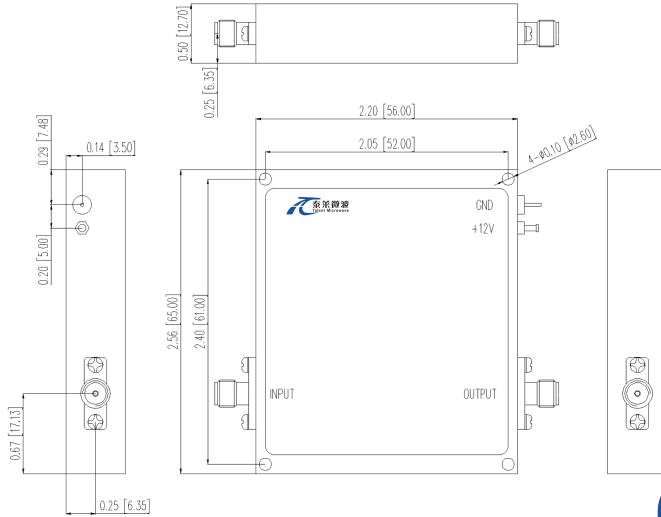
参数Parameter	指标 Value	单位Units
输入输出接Input /Output Connector	2.4mm Female	
直流偏置 Bias	Solder Pin	
尺寸 Size		mm
重量 Weight	1000	g


**绝对最大值 Absolute Maximum Ratings:**

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	TBD
输入功率 RF INPUT POWER	TBD
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

**外形尺寸 Outline Drawing:**

Unit: mm(inches)



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	-45		+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
TLPA18G50G-35-27	Power Amplifier,18-50GHz,Gain:35dB,Psat:27dBm 2.4mm Female	Rev.1.1