

**Model:TLPA15G43G-35-33**
**Power Amplifier**
**15-43GHz,Gain:35dB,2.92mm-K**
**Feature:**

- Ultra Wide Band: 15-43GHz
- Gain: 35dB Min
- Psat Output Power: 33 dBm Type
- 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	15-43			GHz
增益 Gain	35			dB
P-1输出功率P-1Output Power	30			dBm
P-1输出功率平坦度 P-1Output power flatness			±2	dB
饱和输出功率 Psat		33		dBm
输入功率Input power		-5	0	dB
杂散抑制@Pout=30dBm	50			dBc
输入驻波 Input VSWR			2.0	:1
直流电压 DC Voltage	24			V DC
阻抗 Impedance	50			Ohms

**机械特性 Mechanical :**

参数Parameter	指标 Value	单位 Units
输入输出接口Input /Output Connector	2.92mm-K	
直流偏置 Bias	Solder Pin	
重量 Weight	500	g

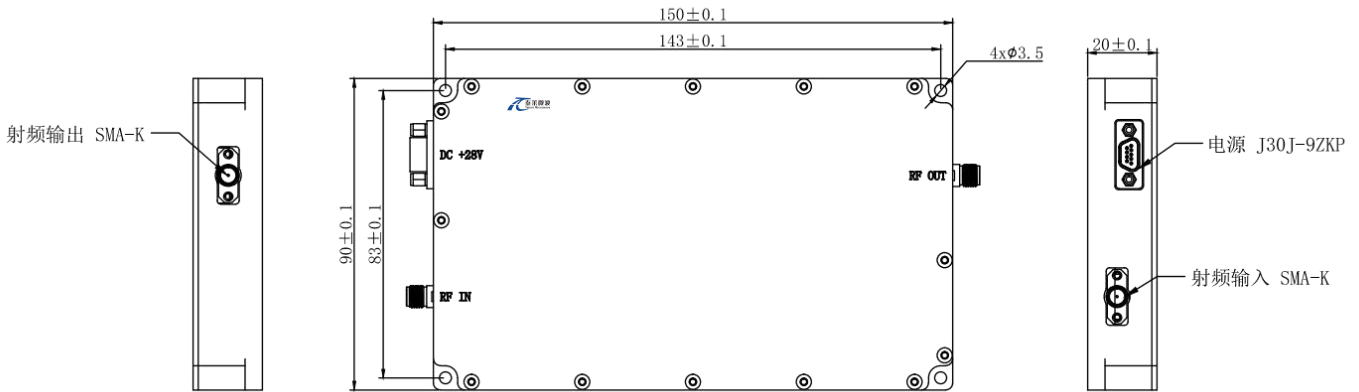
**绝对最大值 Absolute Maximum Ratings:**

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	1-5:+24V 6-9:GND
输入功率 RF INPUT POWER	0 dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V


 Available 220V System  
 Benchtop Amplifier

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	-25		+85	°C
存储温度 Non-operating Temperature	-55		+125	°C
相对湿度 Relative humidity	100%RH at 35°C, 95%RH at 40°C			%
海拔 Altitude	50,000			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
TLPA15G43G-35-33	Power amplifier 15-43GHz,Gain:35dB,2.92mm-K	Rev.1.1