

Model:TLPA18G26.5G-35-35

Power Amplifier

18-26.5GHz,Gain:35dB,P1dB:35dBm

Feature:

- Frequency range: 18-26.5GHz
- Gain: 35dB Min
- P1dB Output Power: 35dBm 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	18-26.5			MHz
增益 Gain	35			dB
增益平坦度 Gain Flatness			±2.0	dB
线性输出功率P1dB	35			dBm
饱和输出功率Psat	40	41		dBm
最大输入功率Input Max Power		0	10	dBm
杂散 Supurious	50			dBc
谐波抑制 Harmonic	20			dBc
输入驻波 Input VSWR			2.0	:1
直流电压 DC Voltage	18	20	22	V DC
功耗 Power dissipation			70	W
阻抗 Impedance	50			Ohms

机械特性 Mechanical :

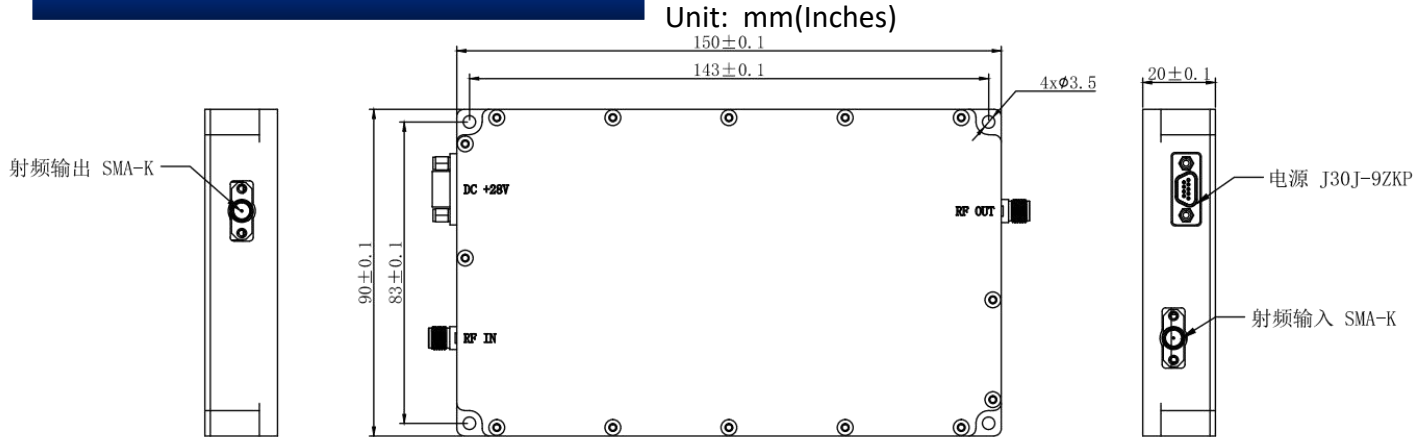
参数Parameter	指标 Value	单位 Units
输入输出接口 Input /Output Connector	2.92mm -K/2.92mm-K	
直流偏置 Bias	Solder Pin	
尺寸 Size	/	mm
重量 Weight	≤500	g



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: +28V 6-9: GND
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:



*****Heat Sink Required During Operation**



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	0		+40	°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 for 11msc half sin wave,3 axis both directions/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
TLPA18G26.5G-35-35	Power amplifier 18-26.5GHz,Gain:35dB,P1dB:35dBm, 20V DC,Without Heatsink	Rev.1.0
TLPA18G26.5G-35-35-HS	Power amplifier 18-26.5GHz,Gain:35dB,Psat:35dBm, 20V DC,With Heatsink	Rev.1.0