

Model:TLPA6G18G-35-33-W
Power Amplifier
6-18GHz, Gain:35dB, PSat:33dBm
Feature:

- Ultra Wide Band: 6-18GHz
- Gain: 35dB
- Psat Output Power: 33 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	6-18			GHz
增益 Gain	35			dB
饱和输出功率 Psat	33			dBm
输入驻波 Input VSWR			2.0	:1
杂散 Suprious	50			dBc
谐波 Harmonics	10			dBc
输入功率 Input Power		0	10	dBm
直流电压 DC Voltage		28		V DC
直流电流 DC Supply Current	1100			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	SMA Female	
直流偏置 Bias	Solder Pin	
尺寸 Size	/	mm
重量 Weight	50	g

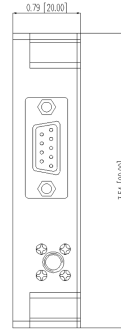
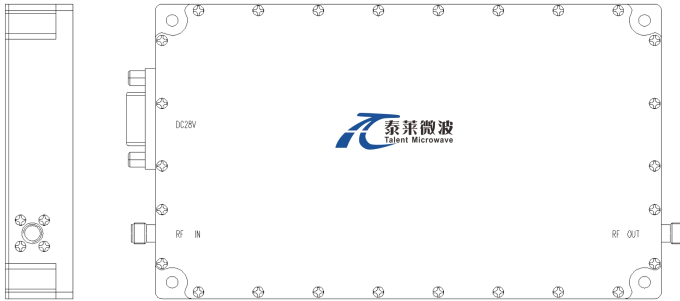

 Available 220V System
 Benchtop Amplifier

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

外形尺寸 Outline Drawing:

Unit: mm(inches)



J30J-9ZKP	
1-4	+28V
5-9	GND

*****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	-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
TLPA6G18G-35-33-W	Power amplifier 6-18GHz, Gain:35dB, PSat:33dBm, SMA-Female, 28V DC, Without Heatsink	Rev.1.1
TLPA6G18G-35-33-W-HS	Power amplifier 6-18GHz, Gain:35dB, PSat:33dBm, SMA-Female, 28V DC, With Heatsink	