

Model:TLPA6G18G-50-45
Power Amplifier
6-18GHz,Gain:50dB,Psat:45dBm
Feature:

- Ultra Wide Band: 6-18 GHz
- Gain: 50 dB Min
- Psat Output Power: 45 dBm Min
- Good Power and Gain Flatness
- 50 Ohm Matched Input / Output

电气特性 Electrical Specifications:

参数 Parameter	Min	Typ	Max	单位 Units
频率范围 Frequency range	6-18			GHz
功率增益 Power Gain	50			dB
增益平坦度 Gain Flatness		±4		dB
饱和输出功率 Output Psat	45			dBm
杂散 Spurious@Pout=45dBm			-60	dBc
谐波 Harmonics@Pout=45dBm			-10	dBc
直流电压 DC Voltage		28		V DC
功耗 Power Consumption			350	W
阻抗 Impedance	50			Ohms

Note:The equalizer is external.

机械特性 Mechanical Specifications:

参数 Parameter	指标 Value	单位 Units
输入/输出接口 Input /Output Connector	SMA Female/SMA Female	
直流供电 DC Supply	SUB-7W2	A1: +28V A2: GND 1-5:NC
尺寸 Size	200*100*23	mm
重量 Weight	≤3.5	g

绝对最大值 Absolute Maximum Ratings:

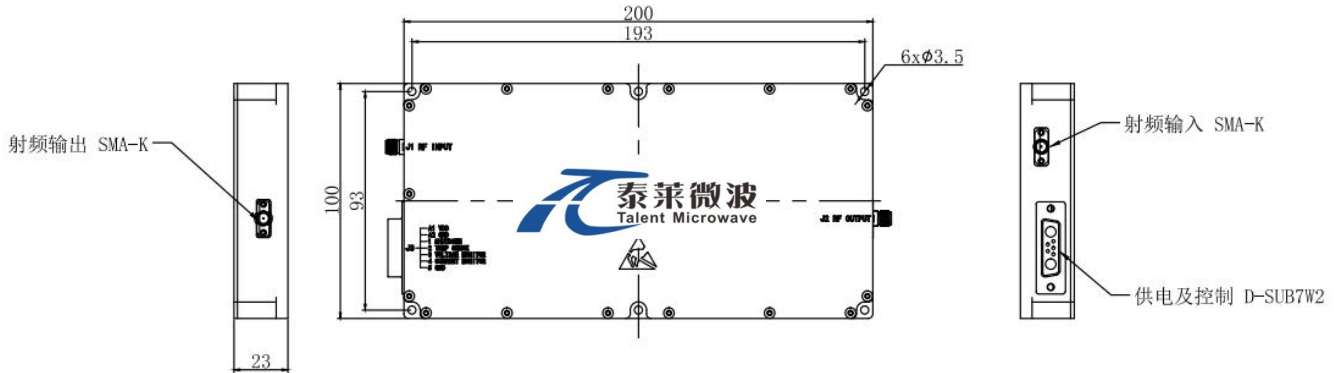
参数 Parameter	指标 Value
输入功率 RF Input Power	10 dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V



Available 220V System
Benchtop Amplifier

外形尺寸 Outline Drawing:

Unit: mm



*****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*	-40		+50	°C
存储温度 Non-operating Temperature*	-50		+60	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	10,000			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			

*Note: For a wider temperature range, please consult the manufacturer.

订货信息 Ordering Information:

标准型号 Part Number	描述 Description	版本号 Revision
TLPA6G18G-50-45	Power amplifier 6-18GHz, Gain:50dB, Psat:45dBm, +28V DC, Without Heatsink	Rev.1.1
TLPA6G18G-50-45-HS	Power amplifier 6-18GHz, Gain:50dB, Psat:45dBm, +28V DC, With Heatsink	Rev.1.1