

Model:TLPA6G18G-47-47
Power Amplifier
6-18GHz,Gain:47dB,Psat:47dBm
Feature:

- Ultra Wide Band: 6-18GHz
- Gain:47dB Min
- Psat Output Power:47dBm 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
增益 Gain	47			dB
增益平坦度 Gain Flatness		±4		dB
线性输出功率 Output P1dB	41			dBm
饱和输出功率 Output Psat	47	48		dBm
杂散 Spurious			-50	dBc
谐波 Harmonics			-13	dBc
输入驻波 Input VSWR			2	:1
输出驻波 Output VSWR			2	:1
直流电压 DC Voltage		+28		V DC
功耗 Power Consumption		800		W
阻抗 Impedance	50			Ohms

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/N Female	
监控和控制接口 Monitor and Control Interface	D-SUB7W2	
尺寸 Size	/	mm
重量 Weight	5	Kg

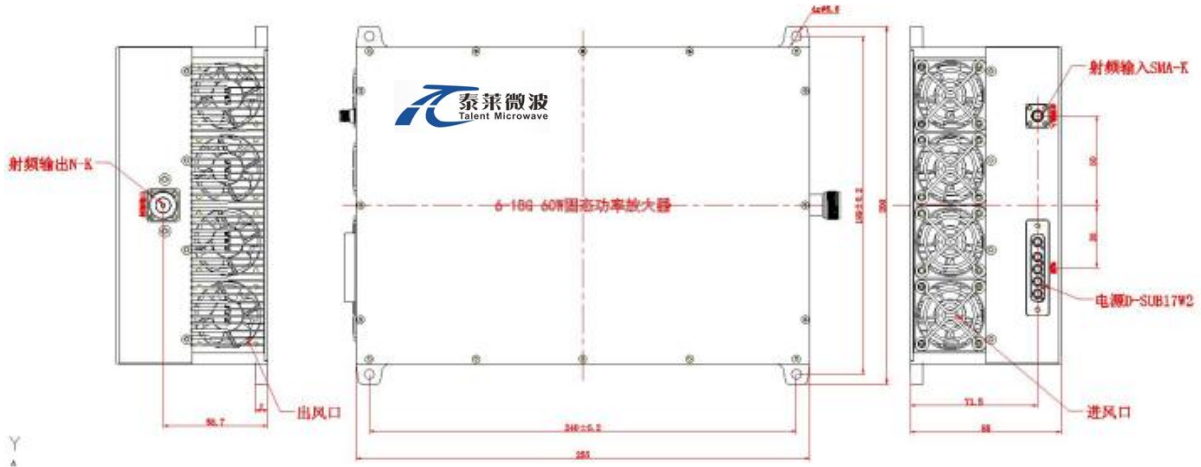
绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
输入功率 RF Input Power	10dBm
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	-45		+85	°C
相对湿度 Relative humidity		98		%
海拔 Altitude		15,000		feet
震动 Shock / Vibration(MIL-STD-810F)	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
TLPA6G18G-47-47	Power amplifier 6-18GHz,Gain:47dB,Psat:47dBm,+28V DC,Without Heatsink.	Rev.1.1
TLPA6G18G-47-47-HS	Power amplifier 6-18GHz,Gain:47dB,Psat:47dBm,+28V DC,With Heatsink.	Rev.1.1