

Model:TLPA6G18G-47-48
Power Amplifier
6-18GHz,Gain:47dB,Psat:48dBm
Feature:

- Ultra Wide Band: 6-18GHz
- Gain: 47dB
- Psat Output Power: 48dBm
- 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
功率增益 Power Gain	47			dB
增益平坦度 Gain Flatness		±3.5		dB
饱和输出功率 Psat	47	48		dBm
输入功率Input VSWR		0	10	dBm
杂散 Supurious	-50			dBc
谐波抑制		-13		dBc
输入驻波 Input VSWR			2.0	:1
直流电压 DC Voltage		+28		V DC
功耗 Power Dissipation	800			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	SMA-Female/N-Female	
直流偏置 Bias	D-SUB7W2 A1:+28V A2:GND 1: TTL 2: Temperature Monitor 3:Voltage Monitor 4: Current Monitor 5: Temperature Monitor 6:Forward detection voltage 7:Reverse detection voltage	
重量 Weight	500	g

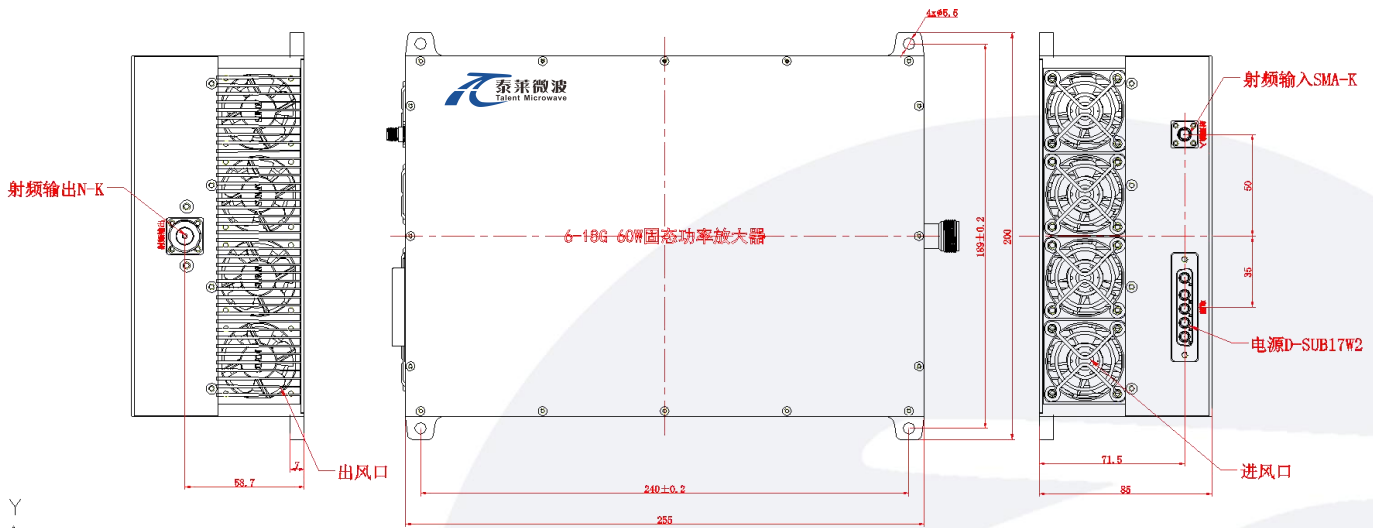

 Available 220V System
 Benchtop Amplifier

绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	+30V
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)



Y
A



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		+50	°C
存储温度 Non-operating Temperature	-20		+75	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	50,000			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-47-48	Power amplifier 6-18GHz,Gain:47dB,Psat:48dBm,28V DC, Without Heatsink	Rev.1.1

测试曲线 Test Curve:

Psat vs Frequency

