

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

- Frequency: 6-18GHz
- Gain: 47 dB Min
- Output Power: 47 dBm 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	6-18			GHz
增益 Gain	47			dB
增益平坦度 Gain Flatness		±4.0		dB
线性输出功率P1dB	41			dBm
饱和输出功率Psat	47	48		dBm
杂散Spurious@60dBm	50			dBc
谐波Harmonics@60dBm	13			dBc
输入驻波 Input VSWR			2.0	:1
输出驻波 Onput VSWR			2.0	:1
直流电压 DC Voltage		28		V DC
功耗 Power Consumption	800			Watt
阻抗 Impedance	50			Ohms

机械特性 Mechanical :

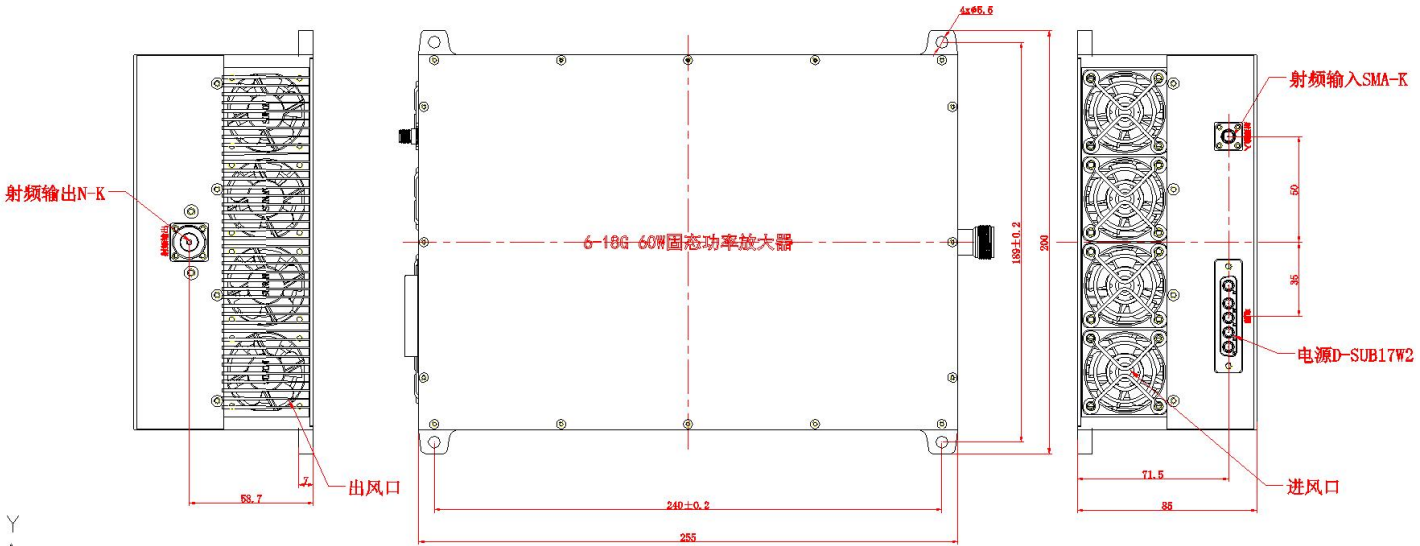
参数Parameter	指标 Value	单位Units
输入输出接口 Input /Output Connector	SMA-K/ N-K	
监控和控制接口 Monitor and control interface	D-SUB7W2	
尺寸 Size	/	
重量 Weight	5	kg

绝对最大值 Absolute Maximum Ratings:

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

外形尺寸 Outline Drawing:

Unit: mm(Inches)



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	-40		+85	°C
相对湿度 Relative humidity		98		%
海拔 Altitude		15,000		feet
冲击/震动 Shock / Vibration(MIL-STD-810F)	Designed for ground/base/ vehicle use			

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 AC, Built in Fan Cooling	Rev.1.0