

**Model: TMPA-081086-1530-12**
**Power Amplifier**
**81-86 GHz, Gain:15 dB, Psat:30 dBm**
**Feature:**

- Frequency Range:81-86 GHz
- Gain:15 dB Typ
- Output Power Psat:30 dBm Typ
- Good Power and Gain Flatness

**电气特性 Electrical Specifications:**

参数Parameter	Min	Typ	Max	单位Units
频率范围 Frequency range	81-86			GHz
增益 Gain		15		dB
饱和输出功率 Output Psat		30		dBm
输入驻波 Input VSWR		2		:1
输出驻波 Output VSWR		2		:1
直流电压 DC Voltage		16-18		V DC
直流电流 DC Supply Current		1600		mA

**机械特性 Mechanical Specifications:**

参数Parameter	指标 Value	单位Units
输入输出接口 Input /Output Connector	WR-12/UG-387/U	
直流偏置 DC Bias	Solder Pin	
尺寸 Size	54*64*24(Without Heatsink) 60*70*80(With Heatsink)	mm
重量 Weight	/	g

**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	TBD
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V


**Available 220V System  
Benchtop Amplifier**

外形尺寸 Outline Drawing:

Unit: mm(Inches)

温度环境 Environmental Conditions:



OBSERVE PRECAUTIONS  
ELECTROSTATIC SENSITIVE  
DEVICES

参数 Parameter	Min	Typ	Max	单位 Units
操作温度 Operating Temperature	-10		+65	°C
存储温度 Non-operating Temperature	-45		+125	°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
TMPA-081086-1530-12	Power Amplifier,81-86 GHz, Gain:15 dB Typ,Psat:30 dBm Typ,18V DC,WR-12	Rev.1.1