

**Model: TMPA-040060-1430-19**
**Power Amplifier**
**40-60 GHz, Psat:30 dBm, Gain:14 dB**
**Feature:**

- Frequency Range: 40-60 GHz
- Gain: 14dB Min
- Output Power Psat: 30 dBm Min
- Good Power and Gain Flatness

**电气特性 Electrical:**

参数Parameter	Min.	Typ.	Max.	单位Units
频率范围 Frequency range	40-60			GHz
增益 Gain	14			dB
饱和输出功率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		20		V DC
直流电流 DC Supply Current		1500		mA

**机械特性 Mechanical :**

参数Parameter	指标 Value	单位Units
输入输出接口 Input /Output Connector	WR-19/UG-383/U	
直流偏置 Bias	Solder Pin	
尺寸 Size	45*35*31	mm
重量 Weight	100	g

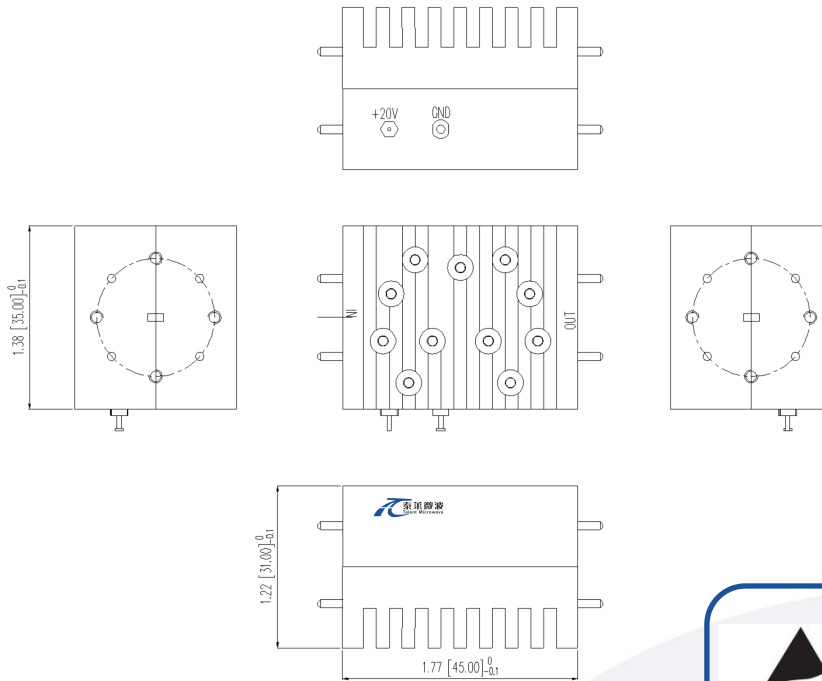
**绝对最大值 Absolute Maximum Ratings:**

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	+20V
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)



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	+10		+50	°C
存储温度 Non-operating Temperature	0		+50	°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-040060-1430-19	Power Amplifier, 40-60GHz, Gain:14dB, Psat:230dBm,20V DC WR-19	Rev.1.1