

**Model: TMPA-090100-4020-10**
**Power Amplifier**
**90-100GHz, Psat:22 dBm, Gain:43 dB**
**Feature:**

- Frequency Range: 90-100 GHz
- Gain:43 dBm Type
- Output Power Psat: 22 dBm Type
- 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	90-100			GHz
增益 Gain	40	42		dB
饱和输出功率Psat	20	22		dBm
输入驻波 Input VSWR		2.5		:1
输出驻波 Output VSWR		2.5		:1
直流电压 DC Voltage		+5		V DC
直流电流 DC Supply Current		950		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-10/UG-387/U	
直流偏置 Bias	Solder Pin	
尺寸 Size	主腔体: 54×35×20 含散热器与安装腿: 54×68×60	mm
重量 Weight	/	g

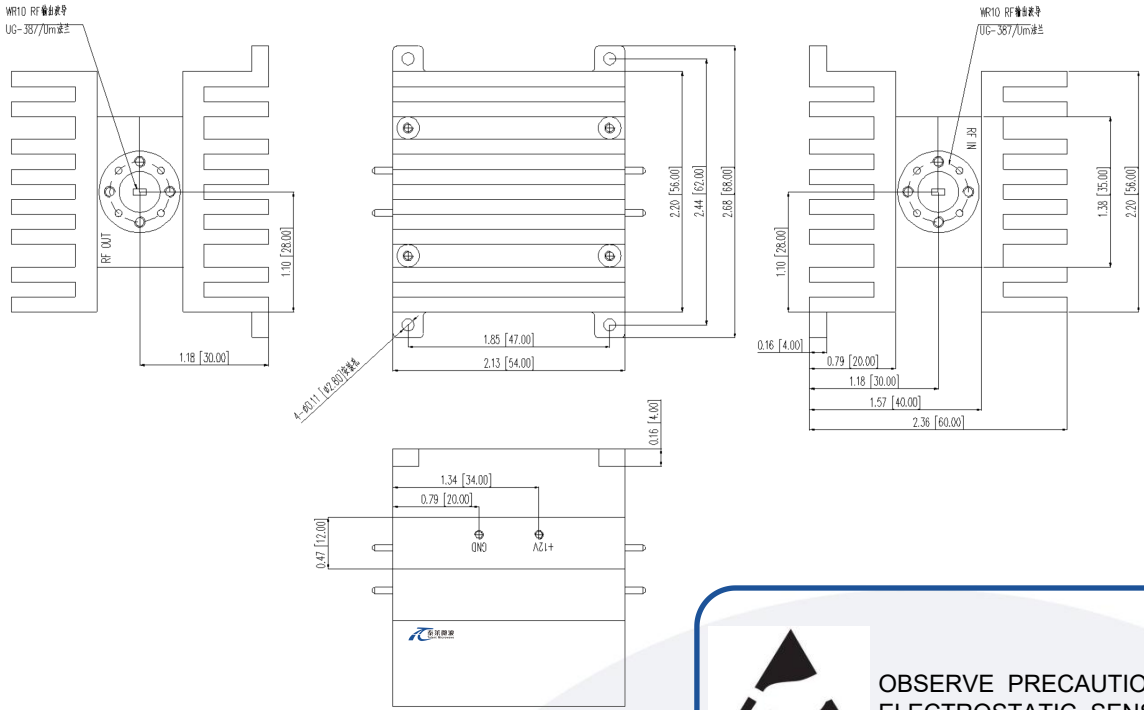

 Available 220V System  
 Benchtop Amplifier

**绝对最大值 Absolute Maximum Ratings:**

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	TBD
输入功率 RF INPUT POWER	TBD
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	0		50	°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-090100-4020-10	Power Amplifier 90-100 GHz, Psat:22 dBm Type, Gain:43 dBm Type,WR-10	Rev.1.1