

**Model: TMPA-88117-1823-08**
**Power Amplifier**
**88-117GHz, Gain:18 dB, Psat:23 dBm**
**Feature:**

- Frequency Range: 88-117 GHz
- Gain:18 dB Type
- Output Power Psat:23 dBm Type
- 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	88-117			GHz
增益 Gain		18		dB
增益平坦度 Gain Flatness		±1		dB
饱和输出功率 Psat		23		dBm
输入驻波 Input VSWR		1.5		:1
输出驻波 Output VSWR		1.2		:1
直流电压 DC Voltage		18		V DC
直流电流 DC Supply Current		260		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-08/UG-387/U	
直流偏置 DC Bias	Solder Pin	
尺寸 Size	35*30*22	mm
重量 Weight	/	g

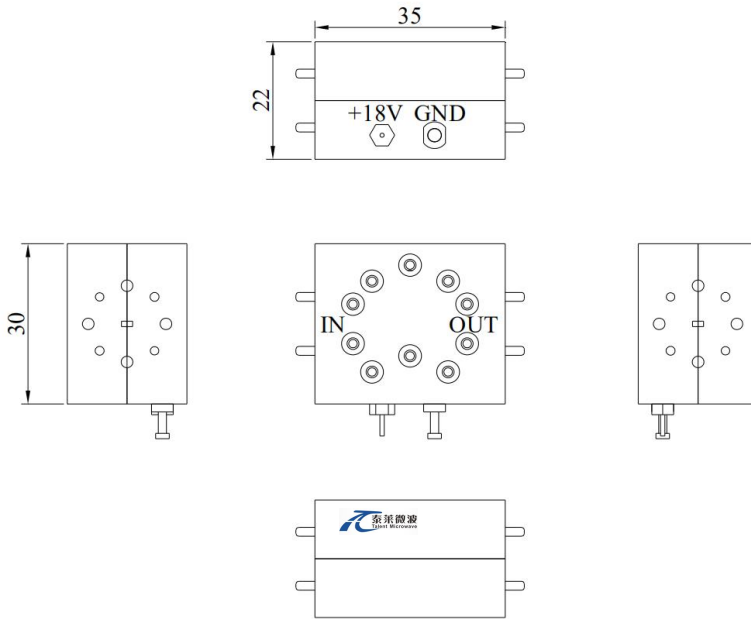
**绝对最大值 Absolute Maximum Ratings:**

参数 Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	TBD
输入功率 RF Input Power	16dBm
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:**

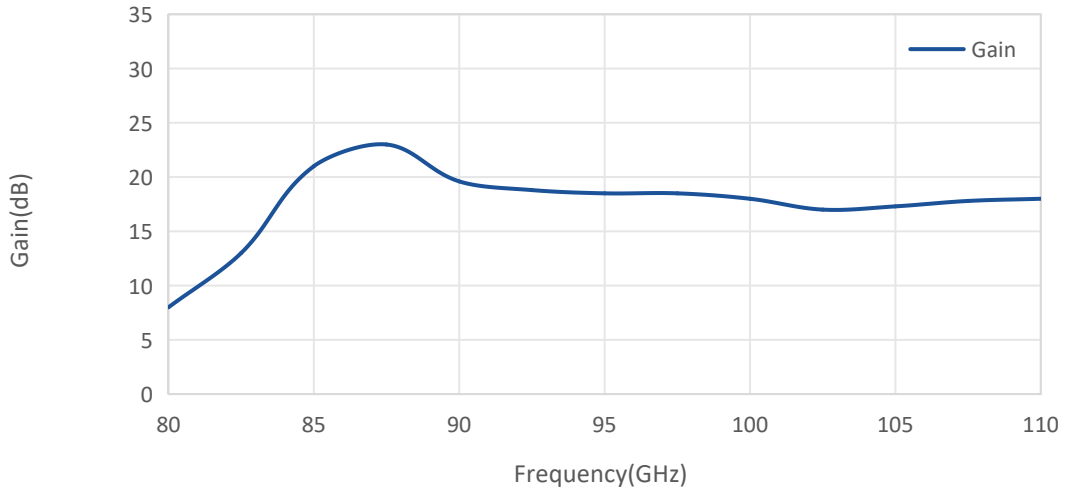
参数 Parameter	Min	Typ	Max	单位 Units
操作温度 Operating Temperature	0		+50	°C
存储温度 Non-operating Temperature	-10		+65	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	50,000			feet
震动 Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
冲击 Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

**订货信息 Ordering Information:**

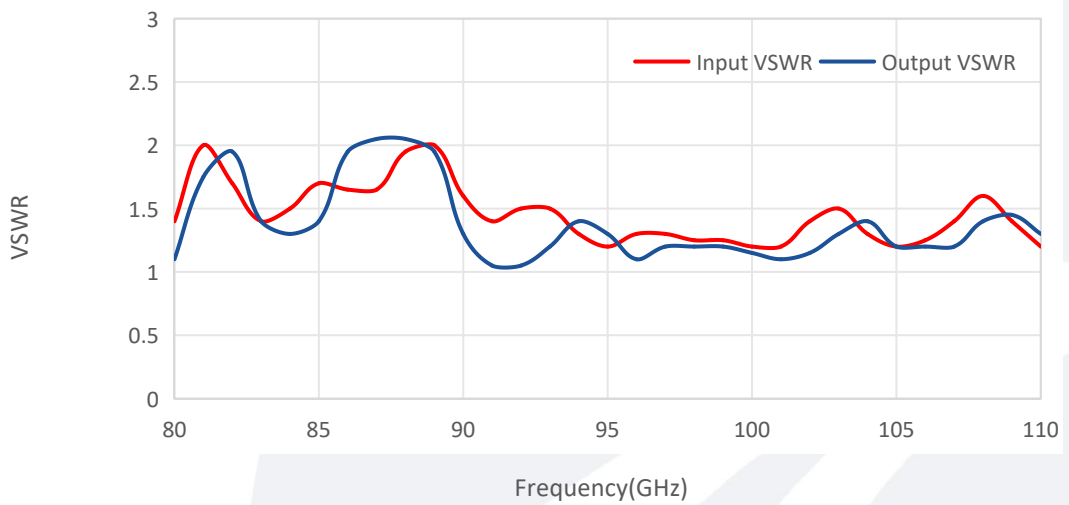
标准型号 Part Number	描述 Description	版本号 Revision
TMPA-88117-1823-08	Power Amplifier, 88-117 GHz, Gain:18 dB Type, Psat:23 dBm Type, +18V DC,WR-08	Rev.1.1

典型曲线 Typical Performance Data:

Gain vs Frequency



VSWR vs Frequency



Psat vs Frequency

