

Model: TMPA-110170-1717-06
Power Amplifier
110-170GHz, Gain:17 dB, Psat:17 dBm
Feature:

- Frequency Range: 110-170 GHz
- Gain:17 dB Type
- Output Power Psat:17 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	110-170			GHz
增益 Gain		17		dB
增益平坦度 Gain Flatness		±3.0		dB
饱和输出功率 Output Psat		17		dBm
输入驻波 Input VSWR		2.0		:1
输出驻波 Output VSWR		2.0		:1
直流电压 DC Voltage		12		V DC
直流电流 DC Supply Current		360		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-06/UG-387/U	
直流偏置 DC Bias	Solder Pin	
尺寸 Size	35.2*30*23	mm
重量 Weight	/	g

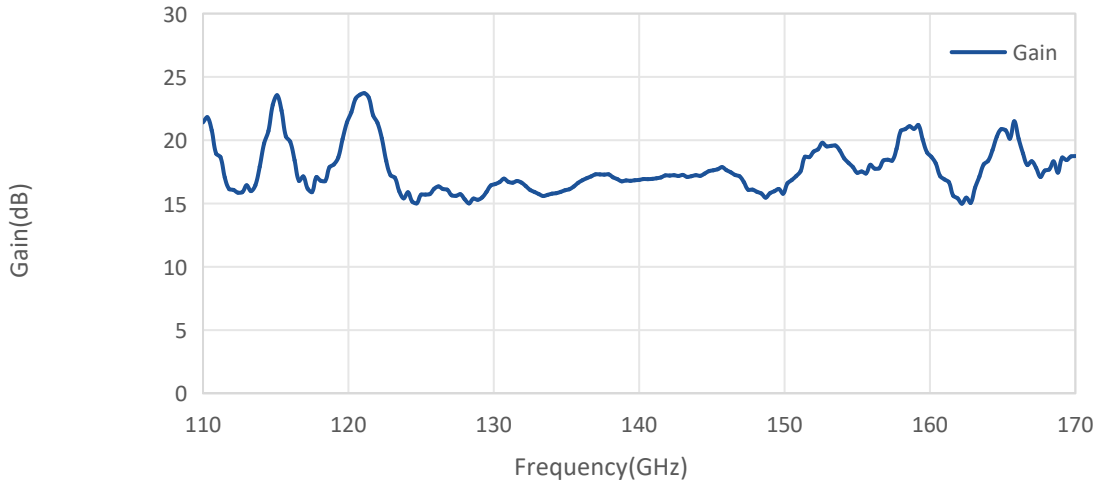
绝对最大值 Absolute Maximum Ratings:

参数 Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	+15V
输入功率 RF Input Power	14 dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

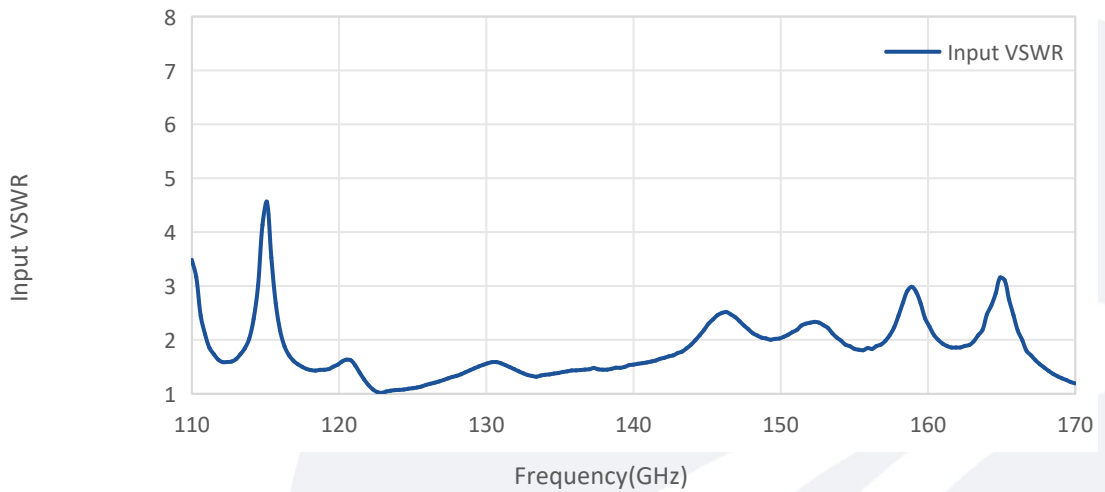

**Available 220V System
Benchtop Amplifier**

典型曲线 Typical Performance Data:

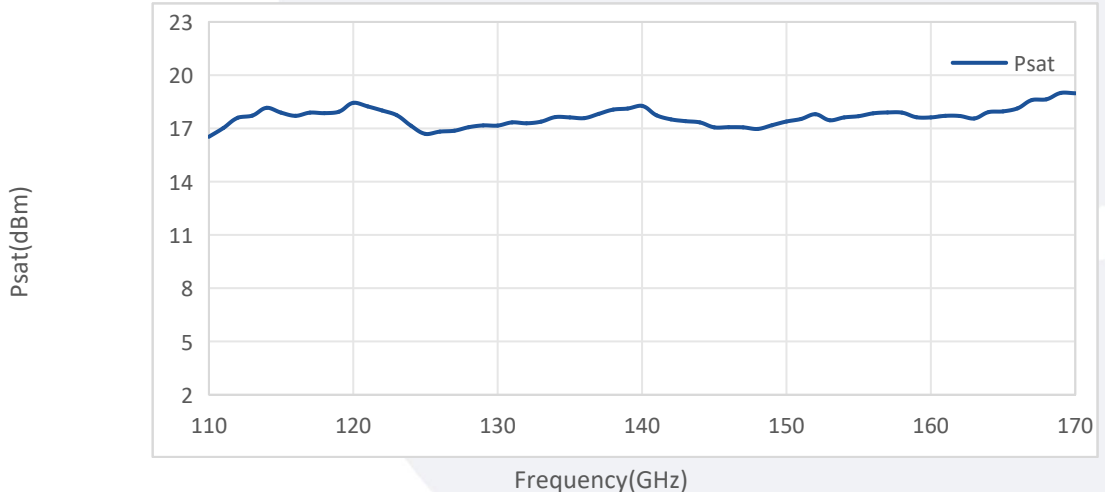
Gain vs Frequency



Input VSWR vs Frequency



Psat vs Frequency



Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.