

Model: TMPA-075110-2515-10
Power Amplifier
75-110GHz, Gain:25 dB, Psat:15 dBm
Feature:

- Frequency Range: 75-110 GHz
- Gain:25 dB Type
- Output Power Psat:15 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	75-110			GHz
小信号增益 Small Signal Gain		25		dB
饱和输出功率 Output Psat		15		dBm
输入驻波 Input VSWR		1.4		:1
输出驻波 Output VSWR		1.8		:1
直流电压 DC Voltage		12		V DC
直流电流 DC Supply Current		125		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-10/UG-387/U	
直流偏置 DC Bias	Solder Pin	
尺寸 Size	39*30*23	mm
重量 Weight	/	g

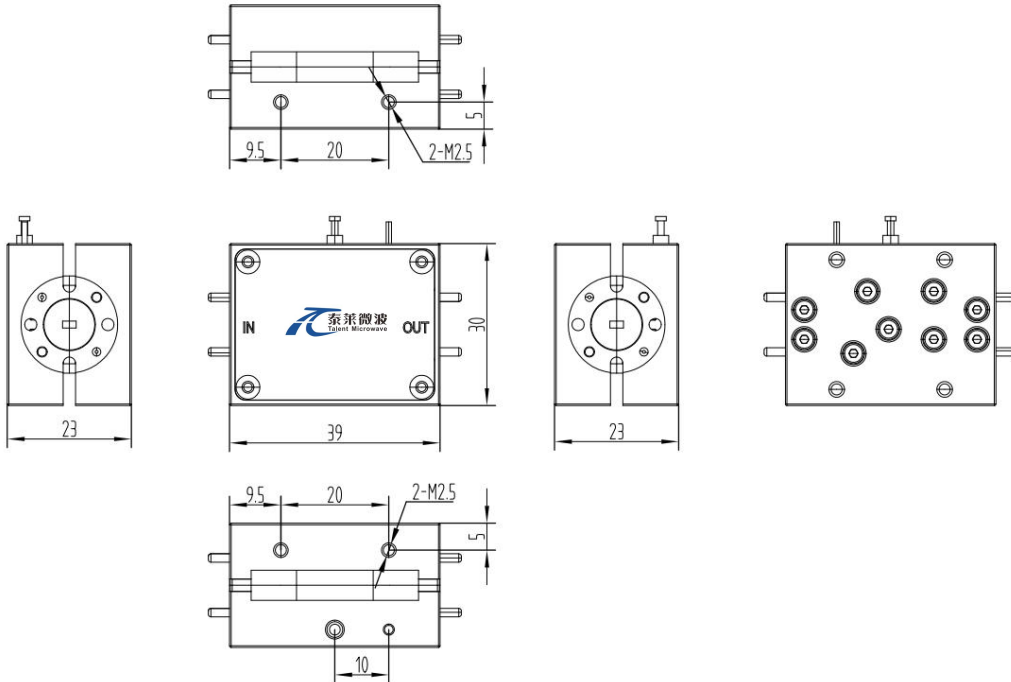
绝对最大值 Absolute Maximum Ratings:

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


**Available 220V System
 Benchtop Amplifier**

外形尺寸 Outline Drawing:

Unit: mm



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

温度环境 Environmental Conditions:

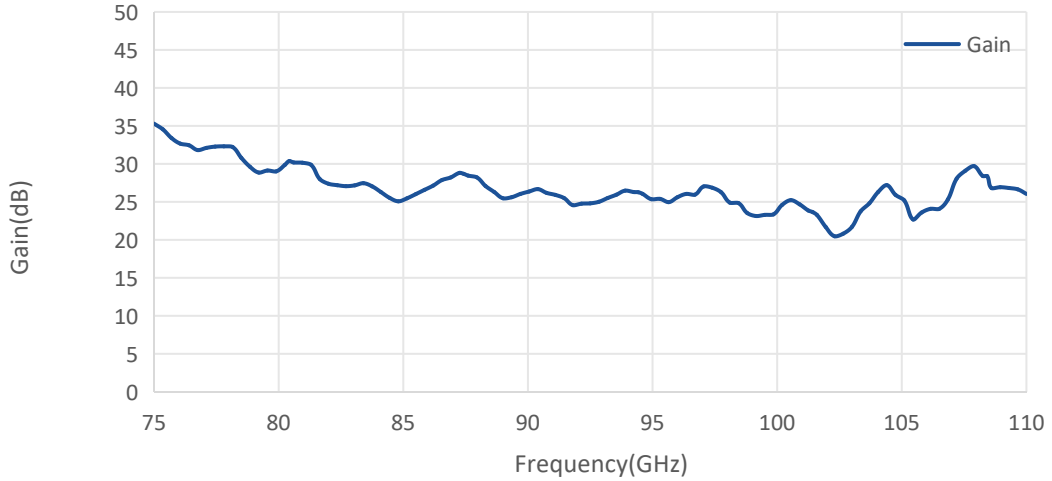
参数 Parameter	Min	Typ	Max	单位 Units
操作温度 Operating Temperature	-10		+65	°C
存储温度 Non-operating Temperature	-55		+125	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	10,000			feet
震动 Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
冲击 Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

订货信息 Ordering Information:

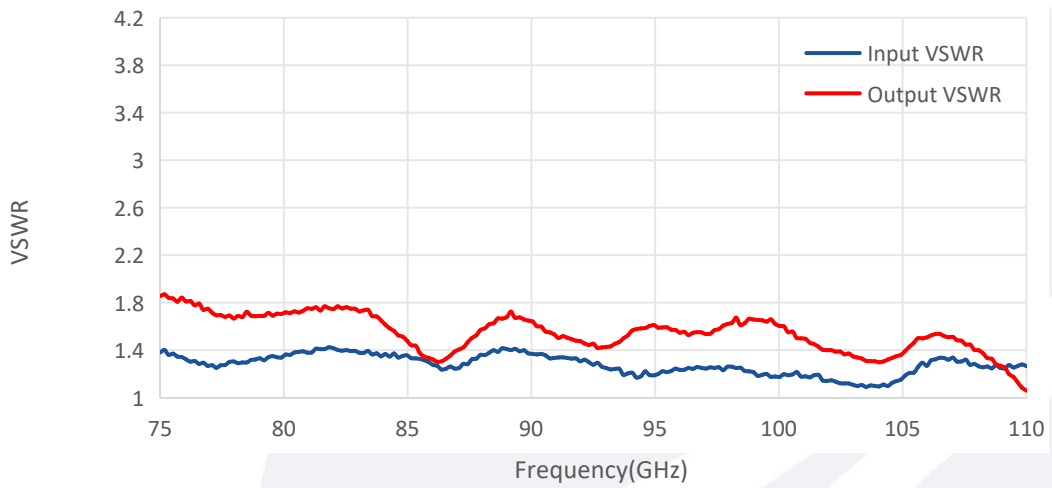
标准型号 Part Number	描述 Description	版本号 Revision
TMPA-075110-2515-10	Power Amplifier, 75-110GHz, Gain:25 dB Type, Psat:15 dBm Type, +12V DC, WR-10	Rev.1.1

典型曲线 Typical Performance Data:

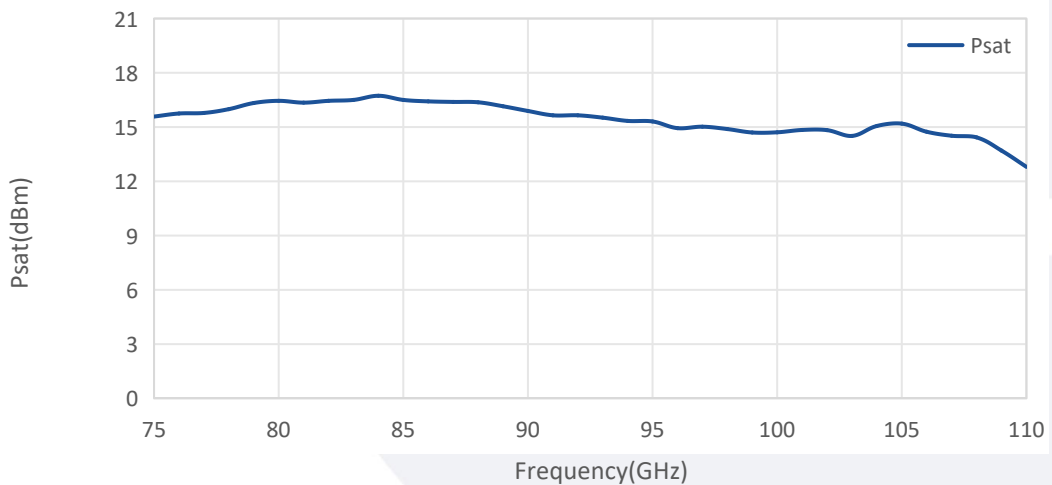
Gain vs Frequency



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.