

Model: TMPA-050075-1616-15
Power Amplifier
50-75GHz, Gain:18 dB,Psat:16 dBm
Feature:

- Frequency Range:50-75 GHz
- Gain:18 dB Typ
- Output Power Psat:16dBm Min
- 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	50-75			GHz
小信号增益 Small Signal Gain		18		dB
增益平坦度 Gain Flatness		±2		dB
饱和输出功率 Output Psat	16	17		dBm
输入驻波 Input VSWR		2.2		: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		70		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-15/UG-385/U	
直流偏置 DC Bias	Solder Pin	
尺寸 Size	35.2*30*23	mm
重量 Weight	/	g

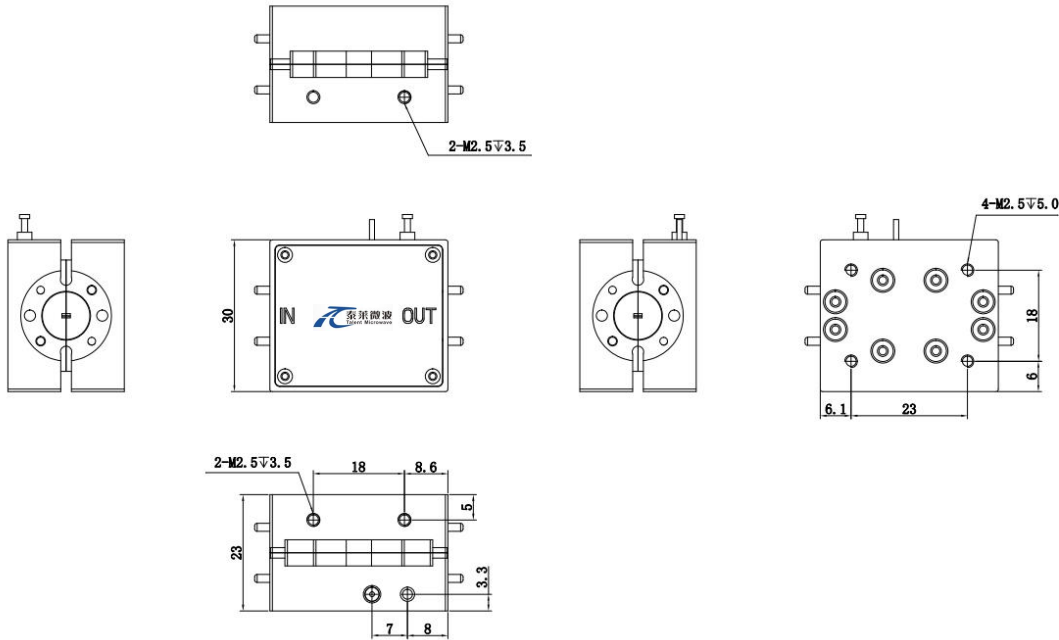
绝对最大值 Absolute Maximum Ratings:

参数 Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	15 V
输入功率 RF Input Power	10 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(Inches)



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

温度环境 Environmental Conditions:

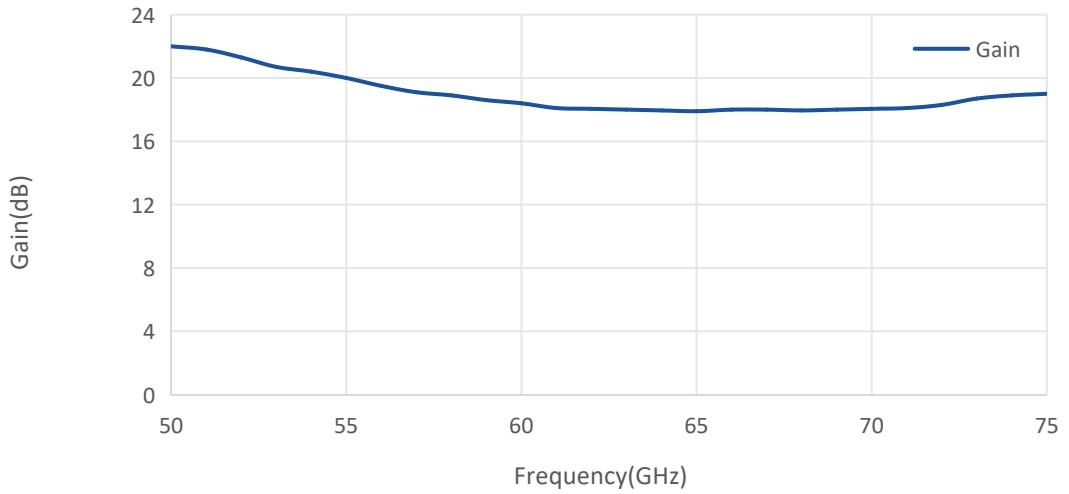
参数Parameter	Min	Typ	Max	单位Units
操作温度 Operating Temperature	-20		+50	°C
存储温度 Non-operating Temperature	-55		+125	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	50,000			feet
震动 Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
冲击 Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

订货信息 Ordering Information:

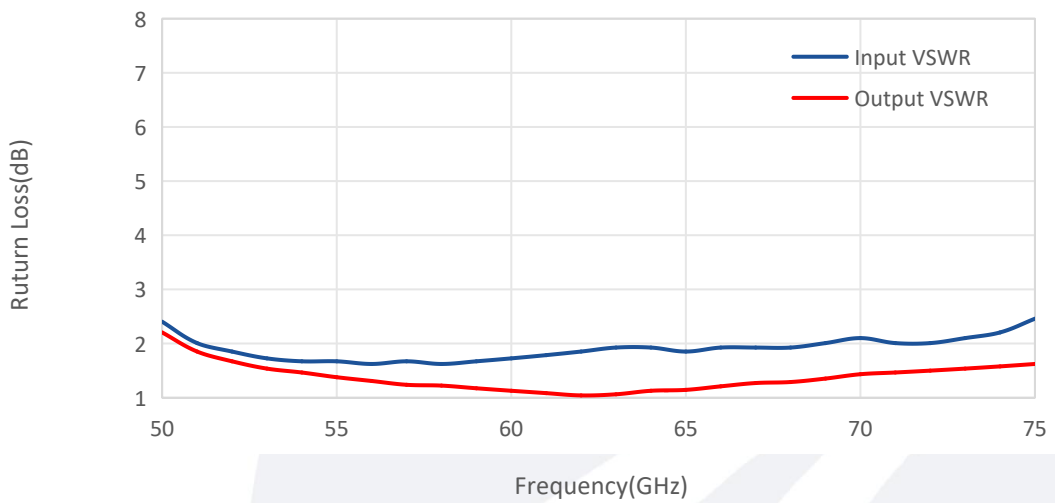
标准型号 Part Number	描述 Description	版本号Revision
TMPA-050075-1616-15	Power Amplifier,50-75 GHz, Gain:18 dB Typ,Psat:16 dBm Typ,+12V DC,WR-15	Rev.1.1

典型曲线 Typical Performance Data:

Gain vs Frequency



Return Loss vs Frequency



Psat vs Frequency

