

## 890MHz-925MHz, Gain:54dB, Psat:54dBm

### Feature:

- Frequency range: 890MHz-925MHz
- Gain: 52dB Min
- Psat Output Power: 54 dBm Min
- Good Power and Gain Flatness
- 50 Ohm Matched Input / Output

### 电气特性 Electrical Specifications:

参数 Parameter	Min.	Typ.	Max.	单位 Units
频率范围 Frequency range	890-925			MHz
增益 Gain	52	54		dB
增益平坦度 Gain Flatness		±1	±1.5	dB
饱和输出功率 Output Psat	54	54.5		dBm
输入驻波 Input VSWR		1.5	2.0	:1
直流电压 DC Voltage	46	48	50	V DC
直流电流 DC Supply Current	15			A
阻抗 Impedance	50			Ohms

### 机械特性 Mechanical Specifications:

参数 Parameter	指标 Value	单位 Units
输入输出接口 Input /Output Connector	SMA Female	
直流偏置 DC Bias	D-SUB-9	
尺寸 Size	170*95*22	mm
重量 Weight	1000	g

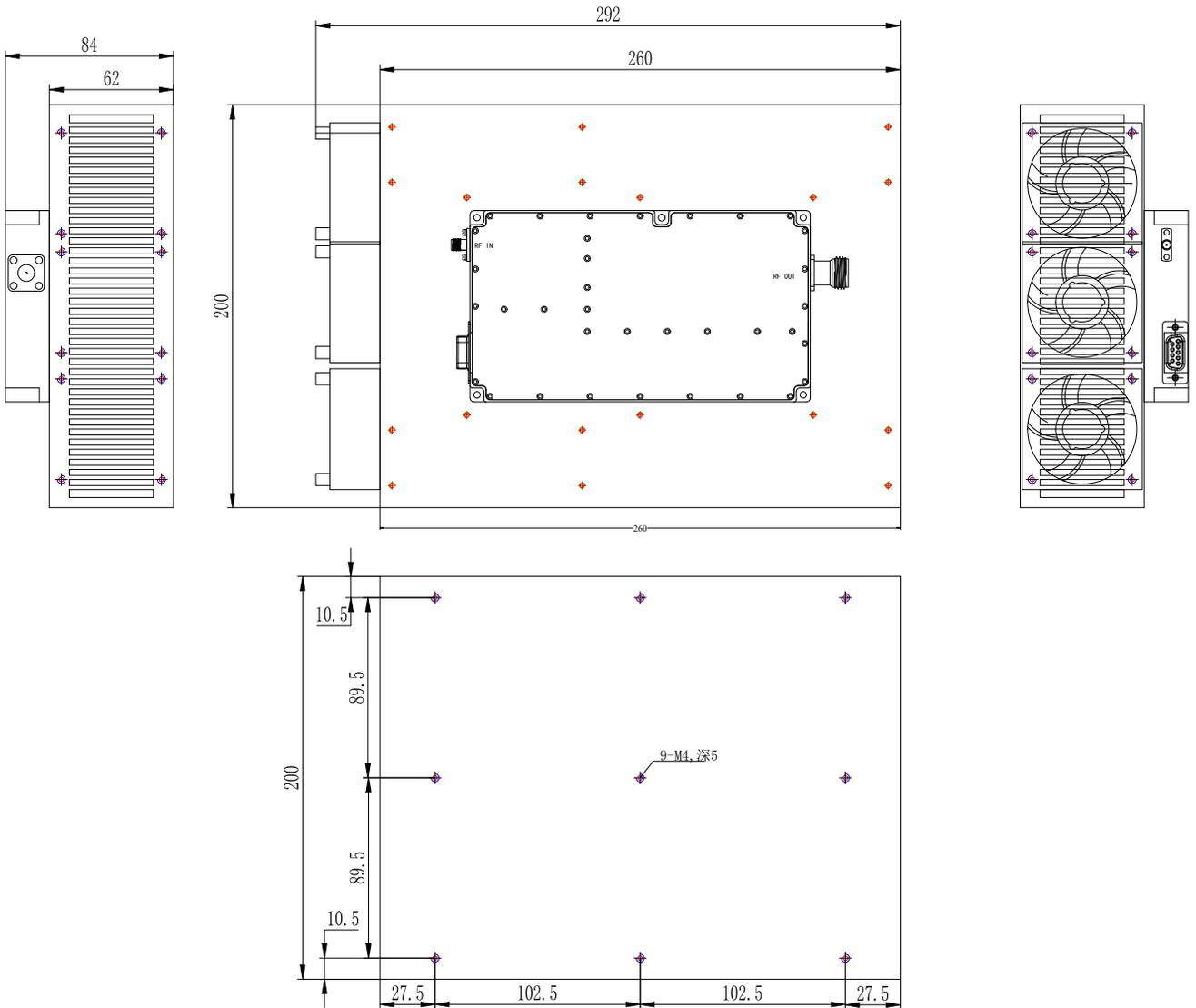
### 绝对最大值 Absolute Maximum Ratings:

参数 Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	30V
输入功率 RF Input Power	5 dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

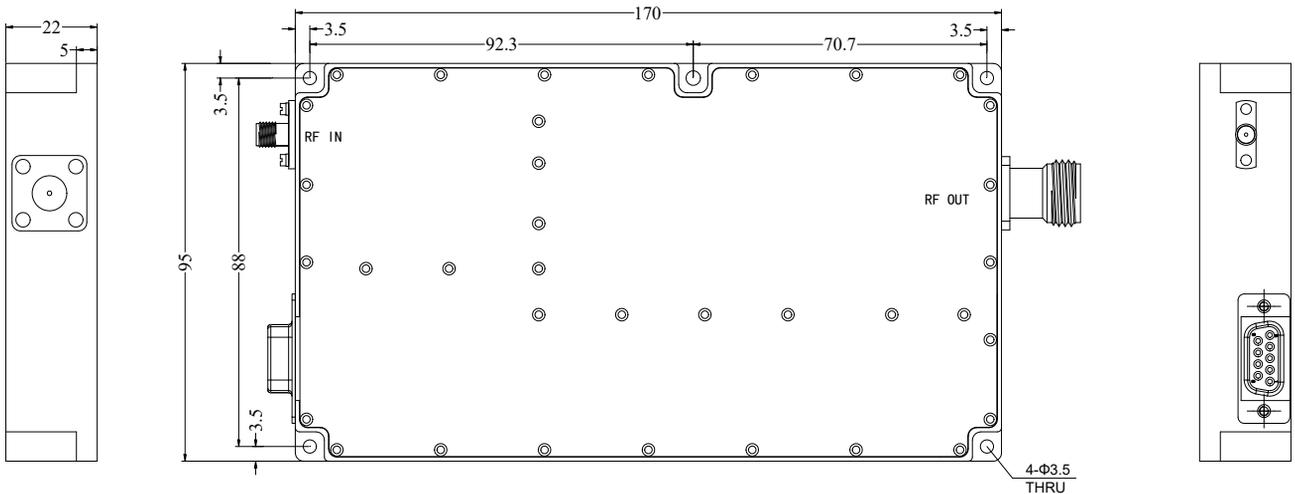


Available 220V System  
Benchtop Amplifier

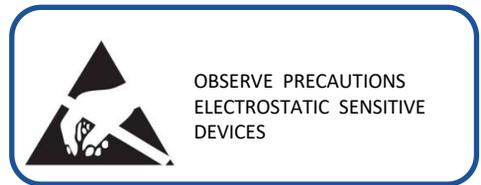
Unit: mm



Unit: mm



**\*\*\*Heat Sink Required During Operation**



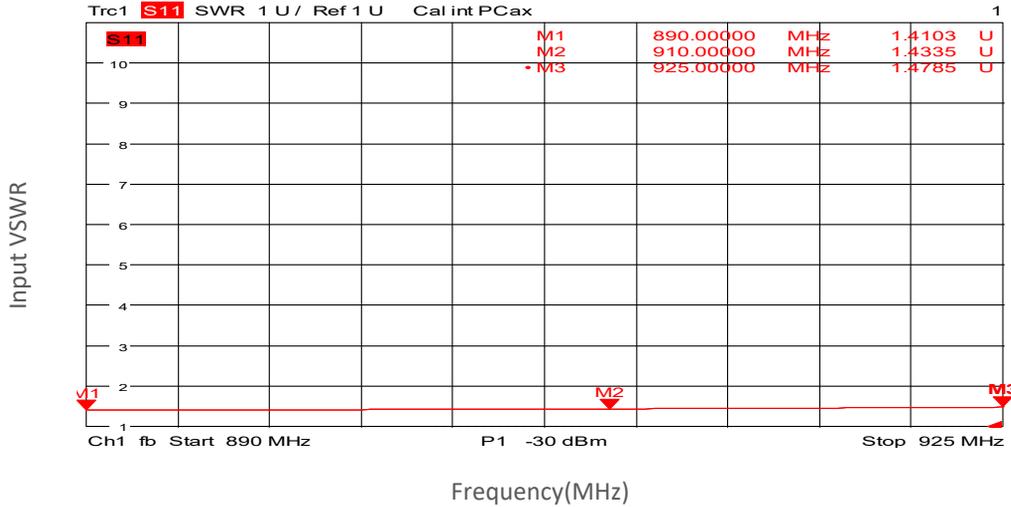
**温度环境 Environmental Conditions:**

参数Parameter	Min	Typ	Max	单位Units
操作温度 Operating Temperature	-45		+70	°C
存储温度 Non-operating Temperature	-55		+125	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	30,000			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			

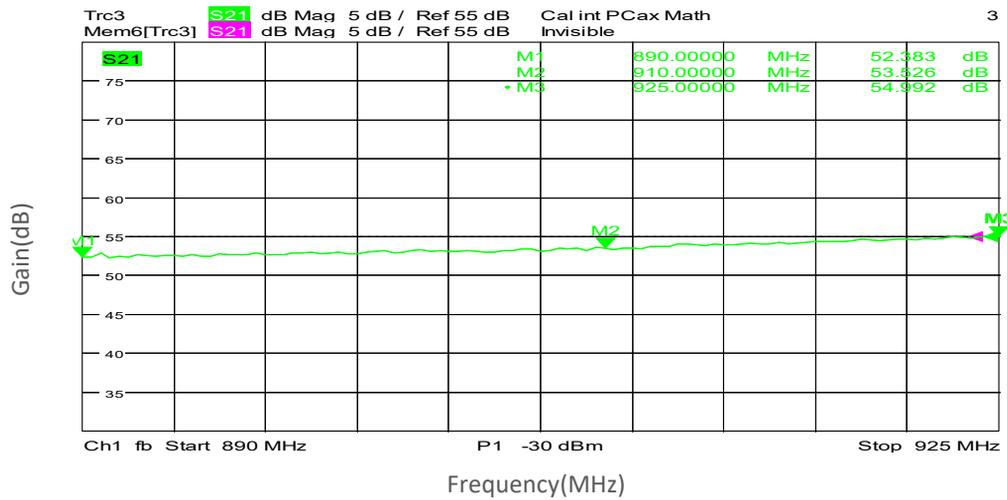
**订货信息 Ordering Information:**

标准型号 Part Number	描述 Description	版本号Revision
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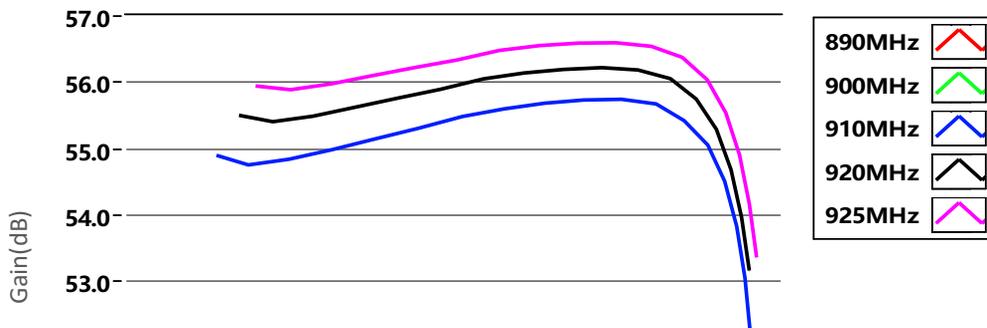
## Input VSWR vs Frequency



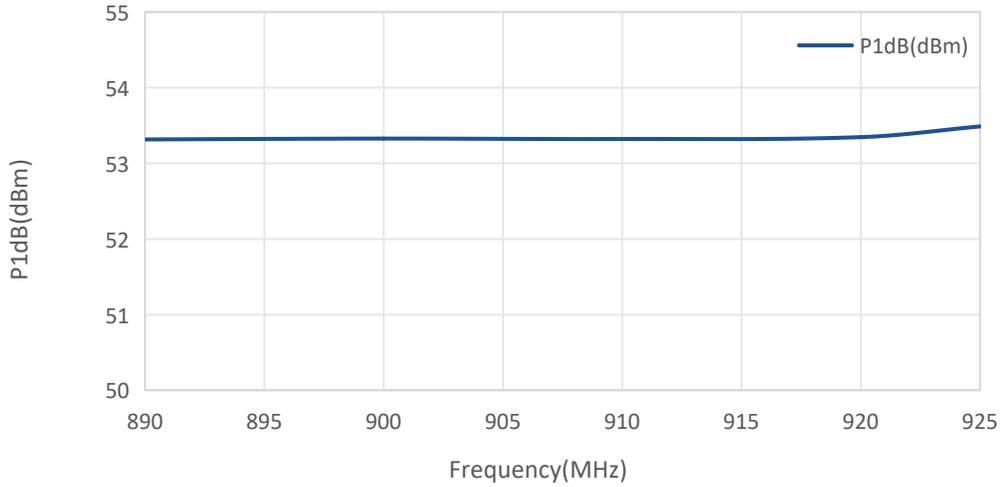
## Gain vs Frequency



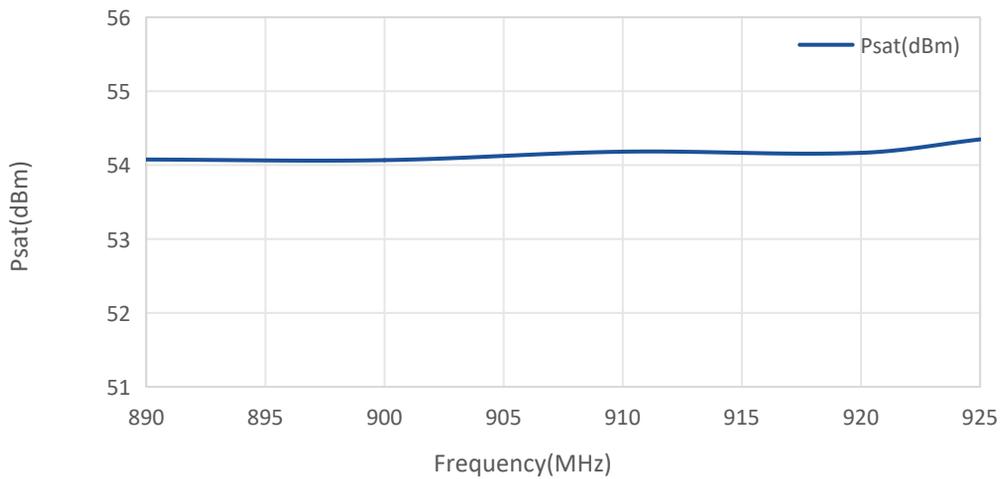
## Gain vs Output Power



### P1dB vs Frequency



### Psat vs Frequency



### Harmonics vs Frequency

