

## 0.08-1GHz, Gain:48dB, Psat:48dBm

### Feature:

- Ultra Wide Band: 0.08-1GHz
- Gain: 48 dB Min
- Psat Output Power: 48 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	0.08-1			GHz
增益 Gain	48	52		dB
增益平坦度 Gain Flatness		±2	±3	dB
线性输出功率 Output P1dB		46		dBm
饱和输出功率 Output Psat	48	48.5		dBm
输入驻波 Input VSWR		1.5	2.0	:1
直流电压 DC Voltage		+28		V DC
直流电流 DC Supply Current		1.5	10	A
阻抗 Impedance	50			Ohms

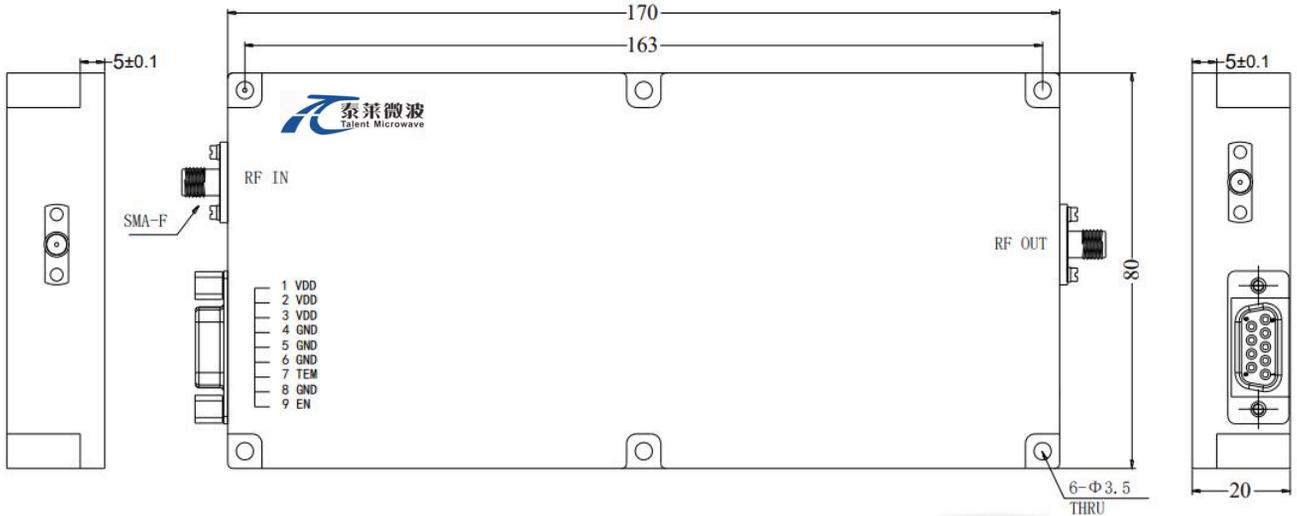
### 机械特性 Mechanical Specifications:

参数Parameter	指标 Value	单位Units
输入输出接口 Input /Output Connector	SMA Female/SMA Female	
直流偏置 DC Bias	D-SUB-9	
尺寸 Size	170*80*20	mm
重量 Weight	200	g

### 绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
-------------	----------

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		+85	°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)	20g,11ms,saw-tooth			
冲击 Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

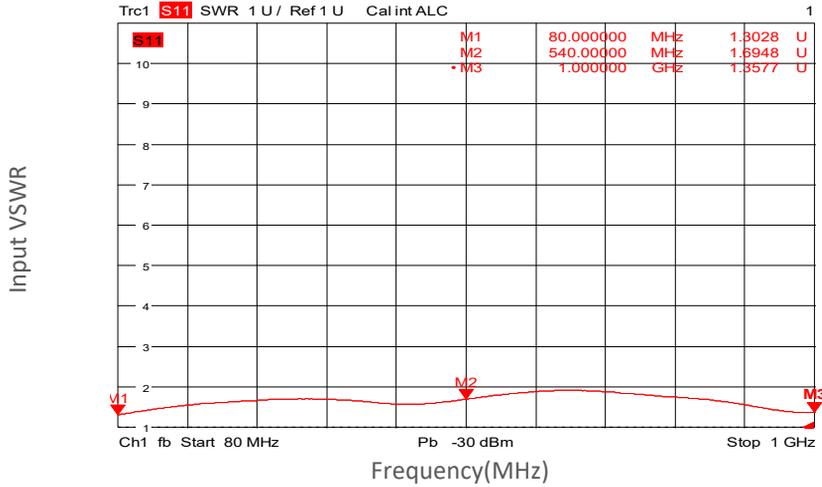
#### 订货信息 Ordering Information:

标准型号 Part Number

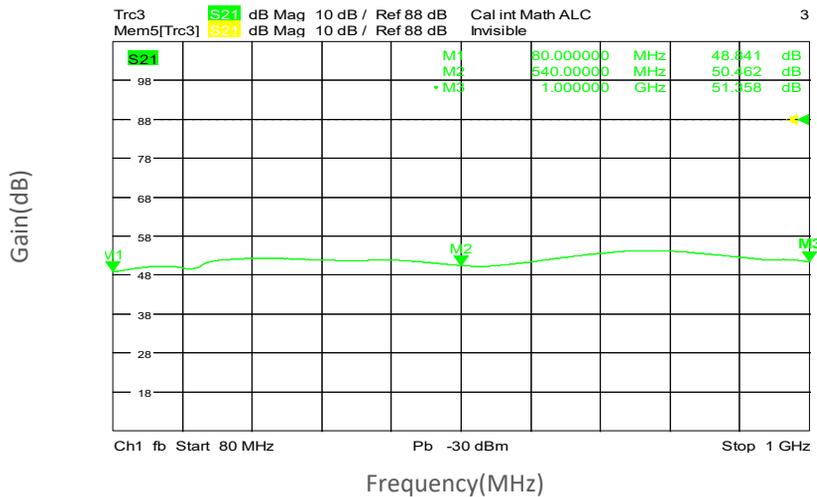
描述 Description

版本号 Revision

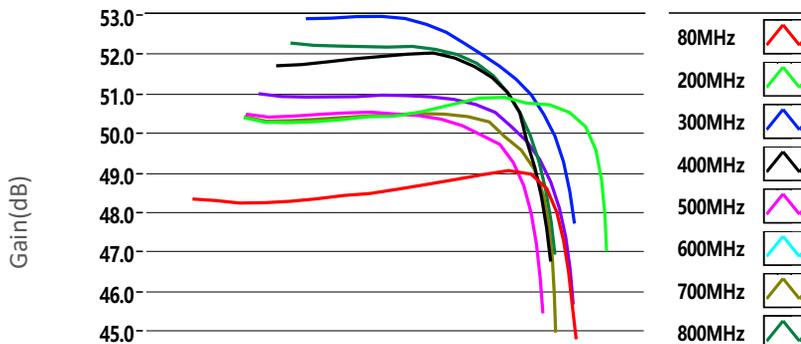
## Input VSWR vs Frequency



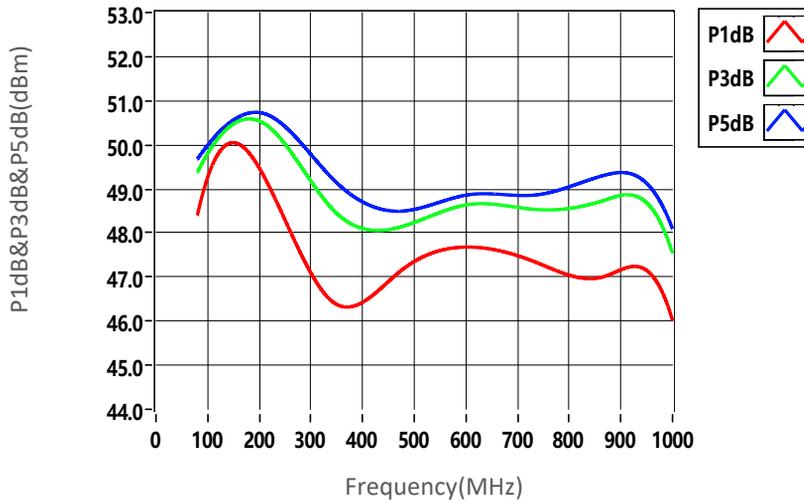
## Gain vs Frequency



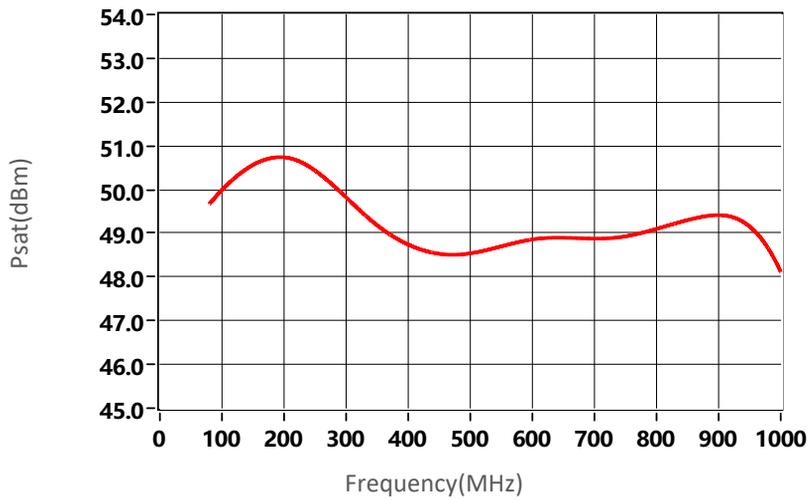
## Gain vs Output Power



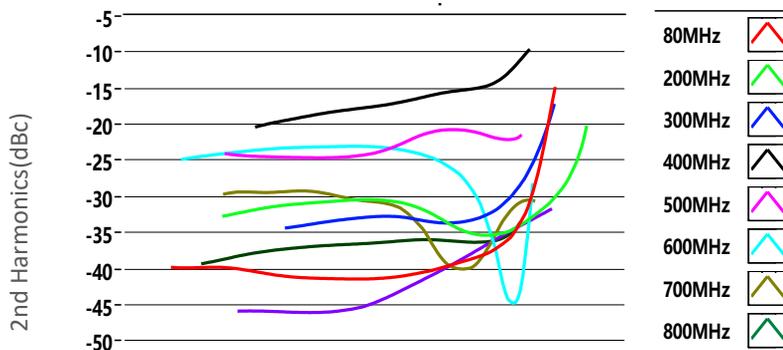
### P1dB&P3dB&P5dB vs Frequency



### Psat vs Frequency



### 2nd Harmonics vs Output Power



## 3rd Harmonics vs Output Power

