

## 12-20GHz, Gain:33dB, Psat:33dBm

### Feature:

- Ultra Wide Band: 12-20 GHz
- Gain: 33 dB Min
- Psat Output Power: 33 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	12-20			GHz
增益 Gain	33			dB
线性增益控制范围/步进 Gain Adjust Range/Step		31.5/0.5		dBm
饱和输出功率 Output Psat	33			dBm
杂散 Supurious			-60	dBc
输入驻波 Input VSWR			2.0	:1
直流&交流电压 DC&AC Voltage	220V AC&24V DC			V
功耗 Power Consumption	60@Max			W
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	Solder Pin	
尺寸 Size	250*245*100	mm
重量 Weight	≤7.5	Kg

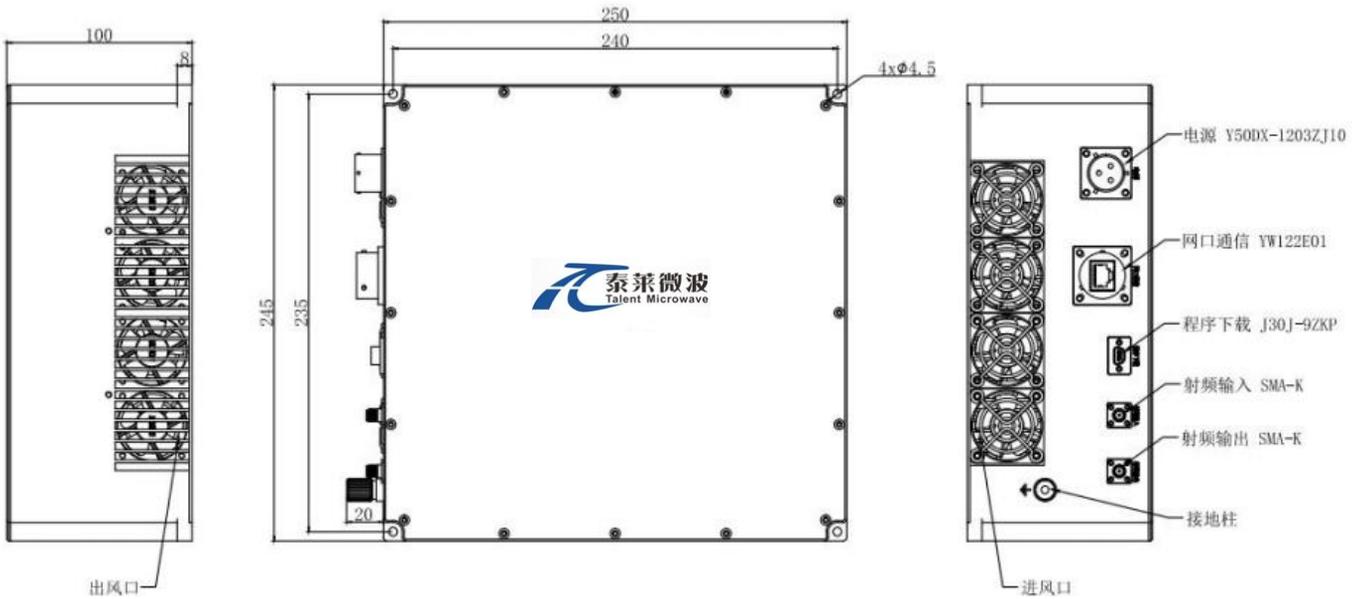
### 绝对最大值 Absolute Maximum Ratings:

参数 Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	TBD
输入功率 RF Input Power	+10 dBm



Available 220V System  
Benchtop Amplifier

Unit: mm



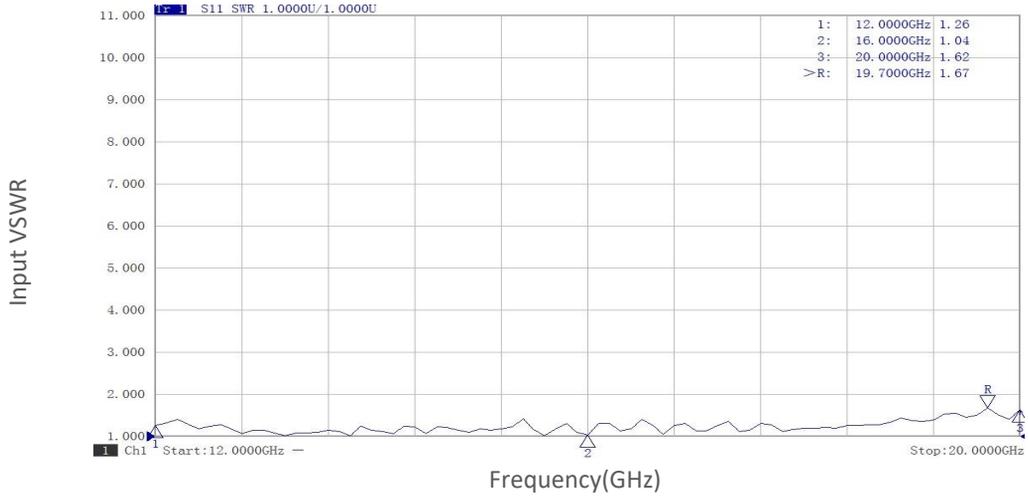
### 温度环境 Environmental Conditions:

参数 Parameter	Min	Typ	Max	单位 Units
操作温度 Operating Temperature	-40		+60	°C
存储温度 Non-operating Temperature	-55		+85	°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			

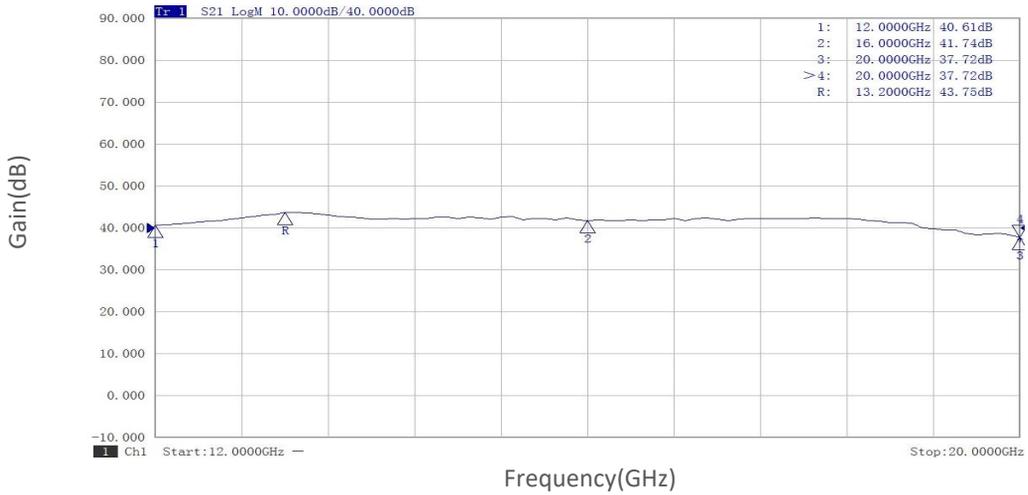
### 订货信息 Ordering Information:

标准型号 Part Number	描述 Description	版本号 Revision
------------------	----------------	--------------

### Input VSWR vs Frequency



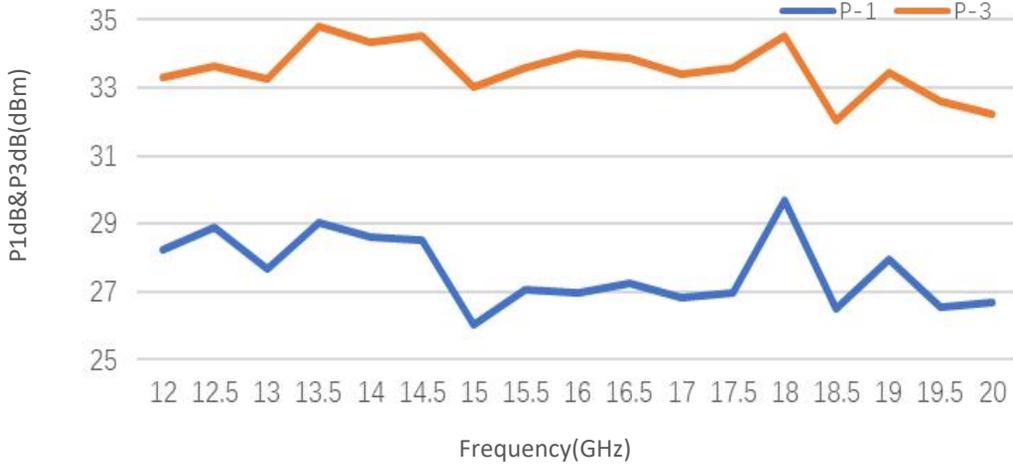
### Gain vs Frequency



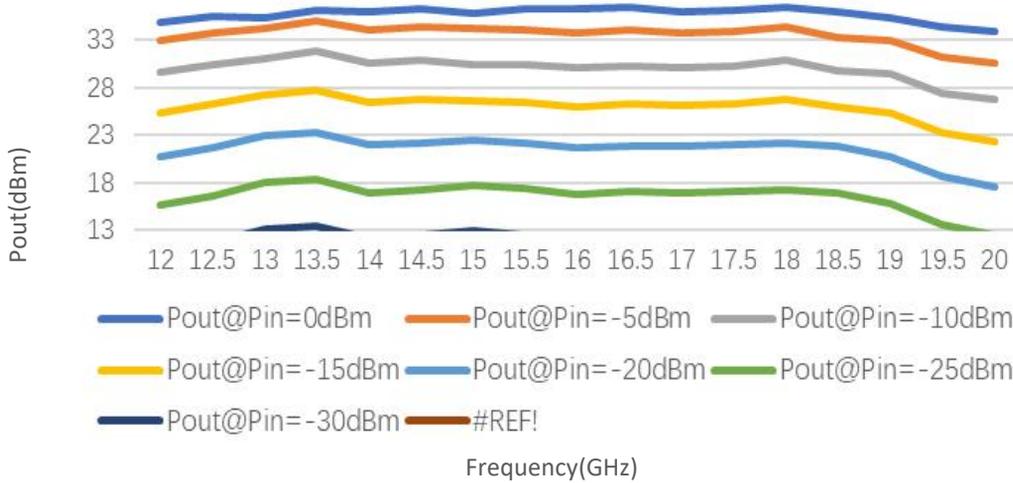
### Pout@Pin

Pout(dBm)

## P1dB&P3dB vs Frequency



## Pout@Equal\_Pin



## Spurious vs Frequency

Spurious(dBc)

## Harmonic vs Frequency

