

TURPA10M1000M-3939

10-1000MHz,Gain:39dB,Psat:39dBm

Feature:

- Ultra Wide Band: 10-1000MHz
- Gain:39dB Min
- Psat Output Power:39dBm Typ
- 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   | 10-1000 |     |     | MHz     |
| 增益 Gain                | 39      | 40  |     | dB      |
| 增益平坦度 Gain Flatness    |         |     | ±3  | dB      |
| 线性输出功率 Output P1dB     | 38      |     |     | dBm     |
| 饱和输出功率 Output Psat     | 39      |     |     | dBm     |
| 输入驻波 Input VSWR        |         | 1.5 | 2   | :1      |
| 直流电压 DC Voltage        |         | +28 |     | V DC    |
| 直流电流 DC Supply Current |         | 1.5 |     | 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                   | Solder Pin            |         |
| 尺寸 Size                        | 90*48*15              | mm      |
| 重量 Weight                      | 150                   | g       |

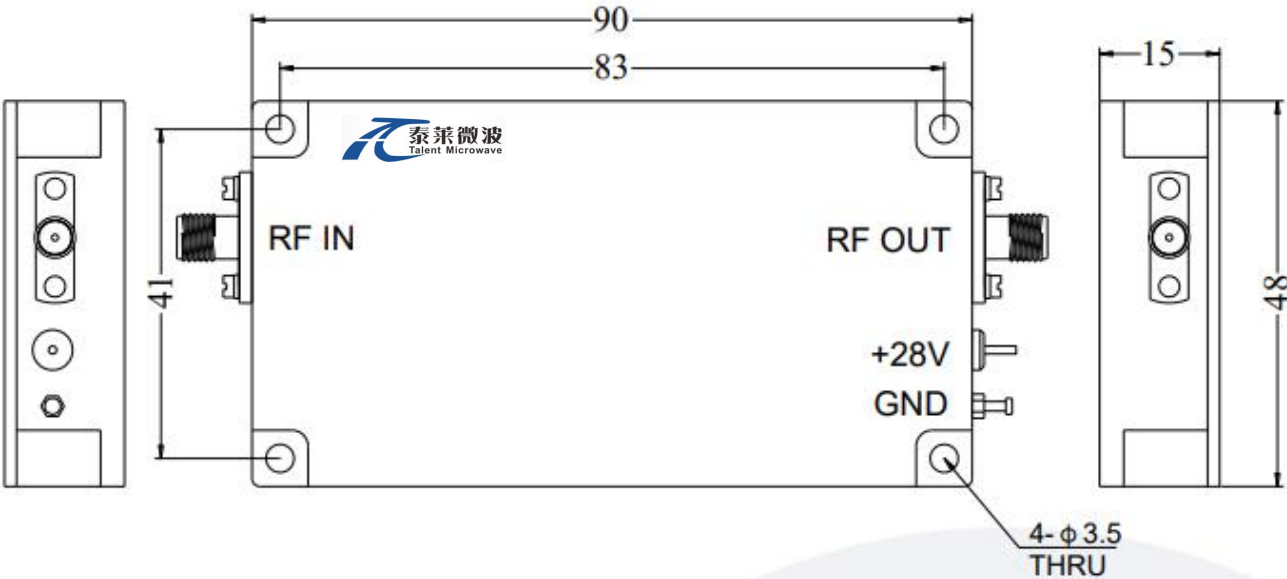
绝对最大值 Absolute Maximum Ratings:

| 参数Parameter                | 指标 Value |
|----------------------------|----------|
| 供电偏置电压 Supply Bias Voltage | +30V     |
| 输入功率 RF Input Power        | 3dBm     |



Available 220V System  
Benchtop Amplifier

Unit: mm



\*\*\*Heat Sink Required During Operation

温度环境 Environmental Conditions:

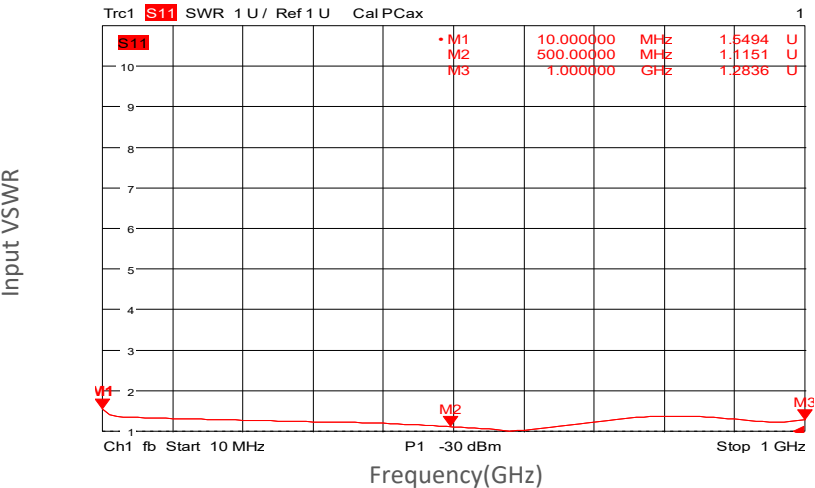


| 参数Parameter                        | Min                                                 | Typ | Max  | 单位Units |
|------------------------------------|-----------------------------------------------------|-----|------|---------|
| 操作温度 Operating Temperature         | -45                                                 |     | +85  | ℃       |
| 存储温度 Non-operating Temperature     | -55                                                 |     | +125 | ℃       |
| 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  |     |      |         |

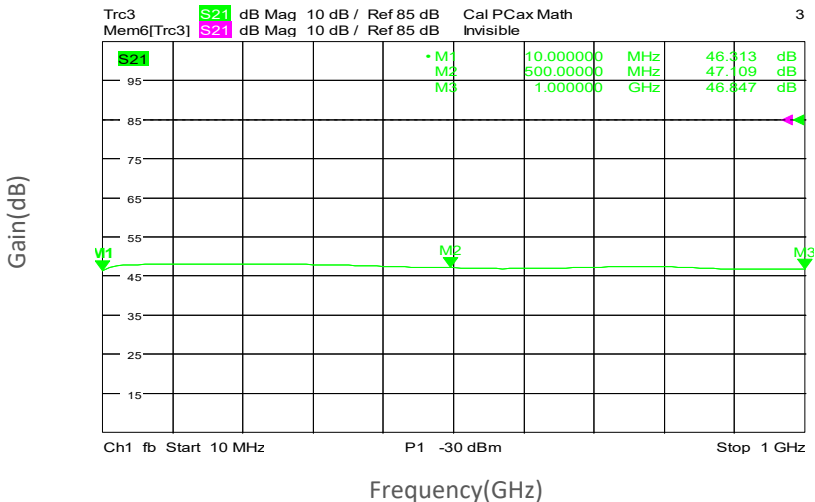
订货信息 Ordering Information:

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

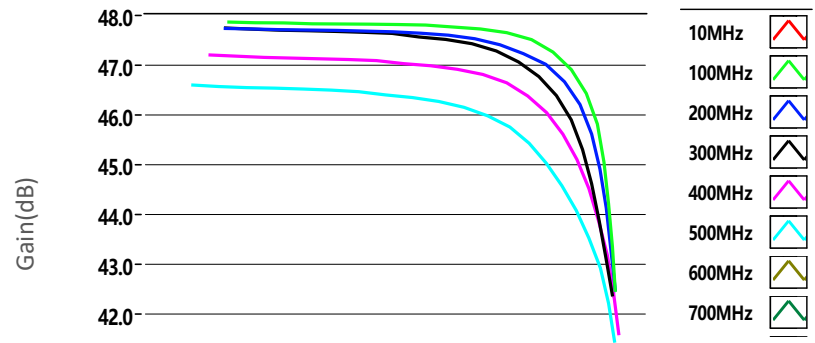
Input VSWR vs Frequency



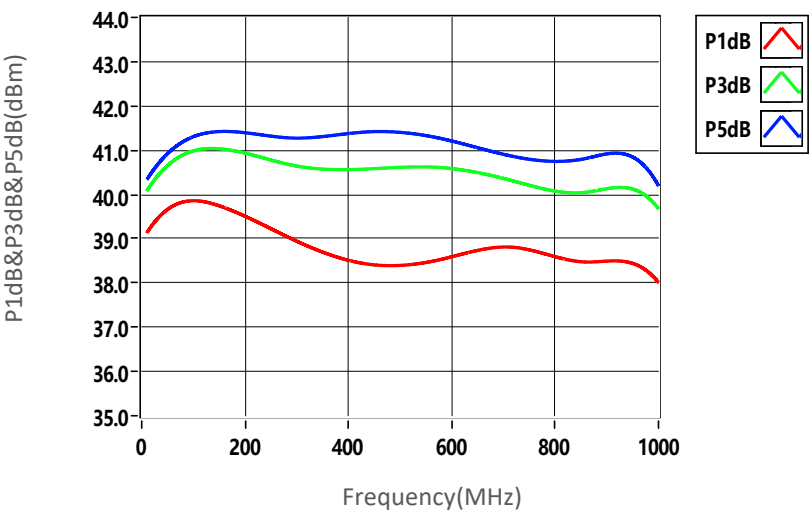
Gain vs Frequency



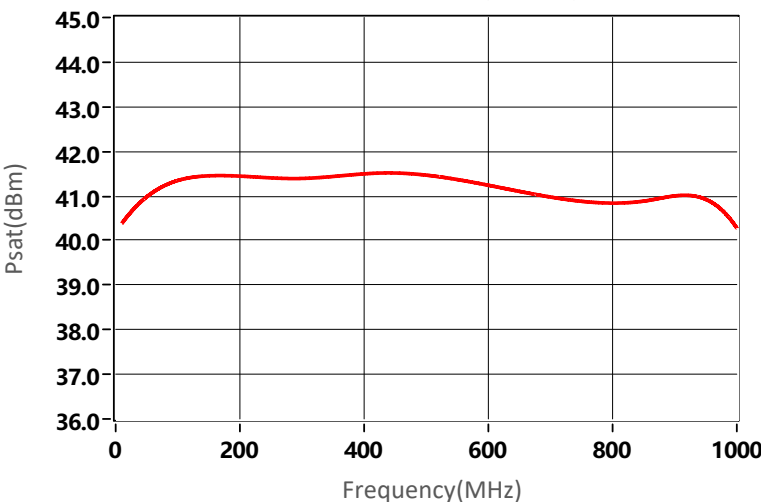
Gain vs Output Power



P1dB&P3dB&P5dB vs Frequency



Psat vs Frequency



2nd Harmonics vs Output Power

