

TURPA100M1000M-3545

100-1000MHz,Gain:35dB,Psat:45dBm

Feature:

- Ultra Wide Band: 100-1000MHz
- Gain:35 dB Min
- Psat Output Power: 45 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   | 100-1000 |      |     | MHz     |
| 增益 Gain                | 35       | 38   |     | dB      |
| 增益平坦度 Gain Flatness    |          | ±1.5 | ±2  | dB      |
| 线性输出功率 Outout P1dB     | 42       | 43   |     | dBm     |
| 饱和输出功率 Output Psat     | 45       | 46   |     | dBm     |
| 输入驻波 Input VSWR        |          | 1.5  | 2.0 | :1      |
| 输出驻波 Output VSWR       |          | 1.5  | 2.0 | :1      |
| 直流电压 DC Voltage        | +28      |      |     | V DC    |
| 直流电流 DC Supply Current |          | 1    | 12  | A       |
| 阻抗 Impedance           | 50       |      |     | Ohms    |

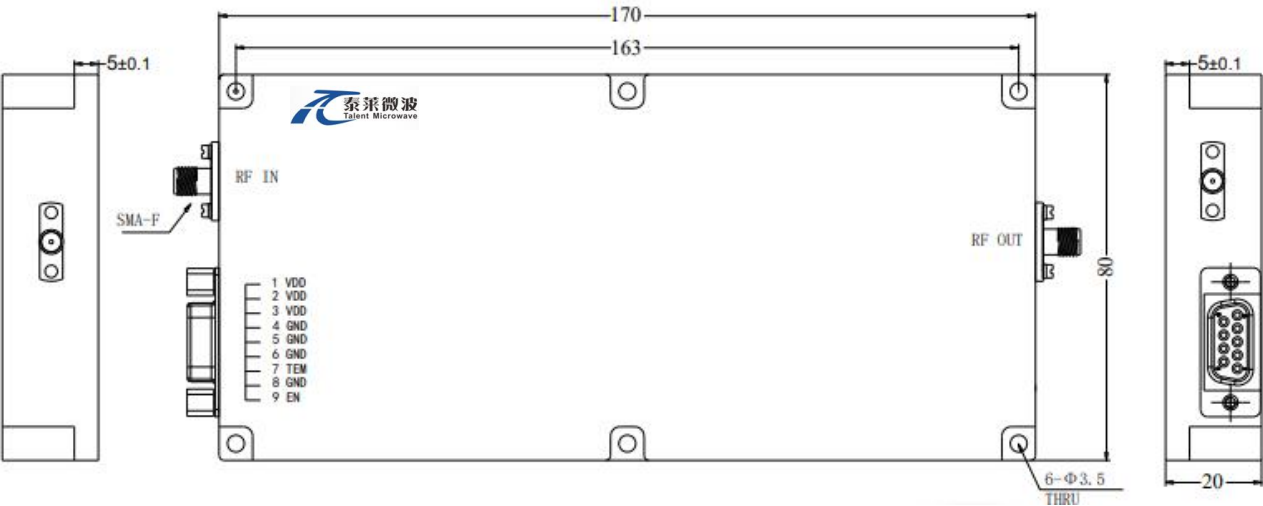
机械特性 Mechanical Specifications:

| 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



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         | -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) | 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 |
|------------------|----------------|-------------|
|------------------|----------------|-------------|