

TURPA5M500M-3033HS

5-500MHz,Gain:33dB,P1dB:33dBm

Feature:

- Ultra Wide Band: 5-500MHz
- Gain: 33 dB Typ
- P1dB 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   | 5-500 |      |     | MHz      |
| 增益 Gain                | 30    | 33   |     | dB       |
| 增益平坦度 Gain Flatness    |       | ±0.5 | ±1  | dB       |
| 线性输出功率 Output P1dB     | 33    | 34   |     | dBm      |
| 三阶互调 Output IP3        |       | 38   |     | dBm      |
| 噪声系数 Noise Figure      |       | 7    |     | dB       |
| 输入驻波 Input VSWR        |       | 1.5  | 2   | :1       |
| 输出驻波 Output VSWR       |       | 1.5  | 2   | :1       |
| 直流电压 DC Voltage        |       | 24   | 28  | V DC     |
| 直流电流 DC Supply Current |       | 0.9  | 1.5 | A        |
| 阻抗 Impedance           | 50    |      |     | Ohms     |

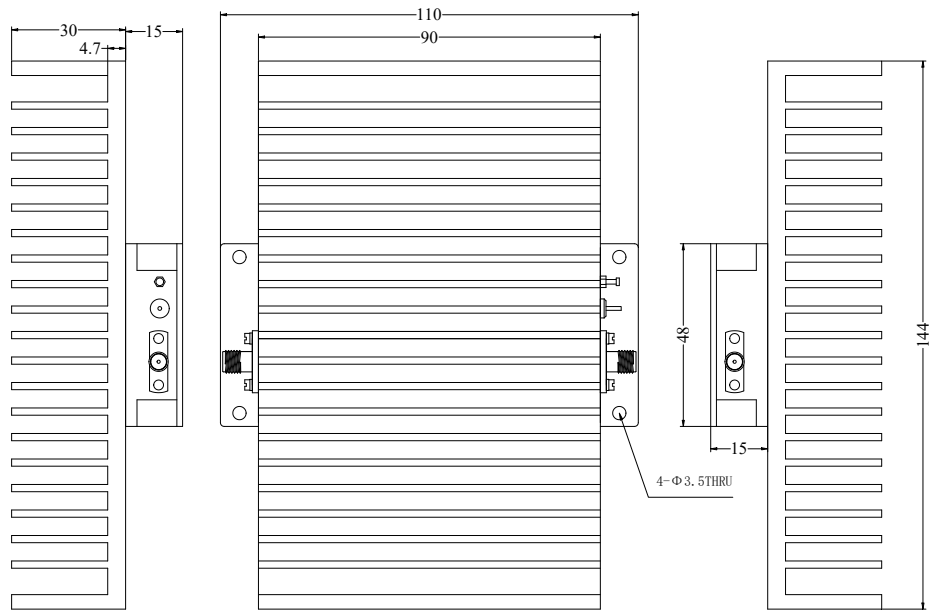
机械特性 Mechanical Specifications:

| 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                         | 120*144*45            | mm       |
| 重量 Weight                       | 400                   | g        |

绝对最大值 Absolute Maximum Ratings:

| 参数 Parameter               | 指标 Value |
|----------------------------|----------|
| 供电偏置电压 Supply Bias Voltage | +28 V    |

Unit: mm



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*        | -40                                                |     | +60 | ℃        |
| 存储温度 Non-operating Temperature*    | -50                                                |     | +70 | ℃        |
| 相对湿度 Relative humidity             |                                                    | 95  |     | %        |
| 海拔 Altitude                        | 10,000                                             |     |     | 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 |     |     |          |

\*Note: For a wider temperature range, please consult the manufacturer.

订货信息 Ordering Information:

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