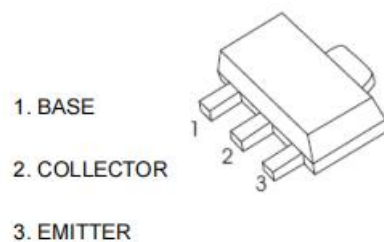


## ■ Features 特点

PNP Power Amplifier 功率放大

MARKING: Y2



## ■ Absolute Maximum Ratings 最大额定值

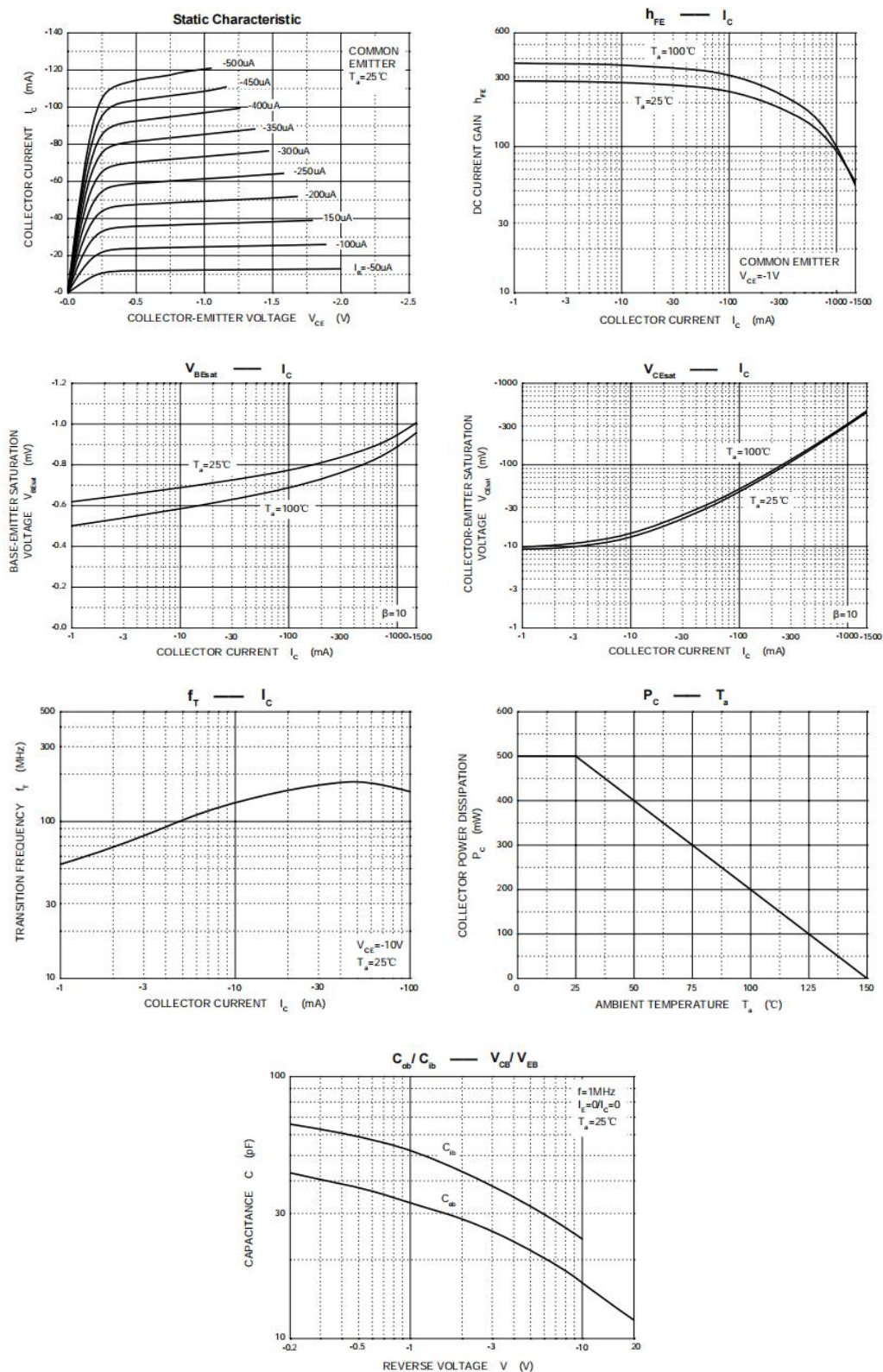
| Characteristic 特性参数                         | Symbol 符号                     | Rat 额定值                      | Unit 单位              |
|---------------------------------------------|-------------------------------|------------------------------|----------------------|
| Collector-Base Voltage 集电极基极电压              | $V_{CBO}$                     | -40                          | V                    |
| Collector-Emitter Voltage 集电极发射极电压          | $V_{CEO}$                     | -25                          | V                    |
| Emitter-Base Voltage 发射极基极电压                | $V_{EBO}$                     | -5                           | V                    |
| Collector Current 集电极电流                     | $I_C$                         | -1500                        | mA                   |
| Power dissipation 耗散功率                      | $P_C(T_a=25^{\circ}\text{C})$ | 500                          | mW                   |
| Thermal Resistance Junction-Ambient 热阻      | $R_{\theta JA}$               | 250                          | $^{\circ}\text{C/W}$ |
| Junction and Storage Temperature<br>结温和储藏温度 | $T_J, T_{stg}$                | -55to+150 $^{\circ}\text{C}$ |                      |

## ■Electrical Characteristics 电特性

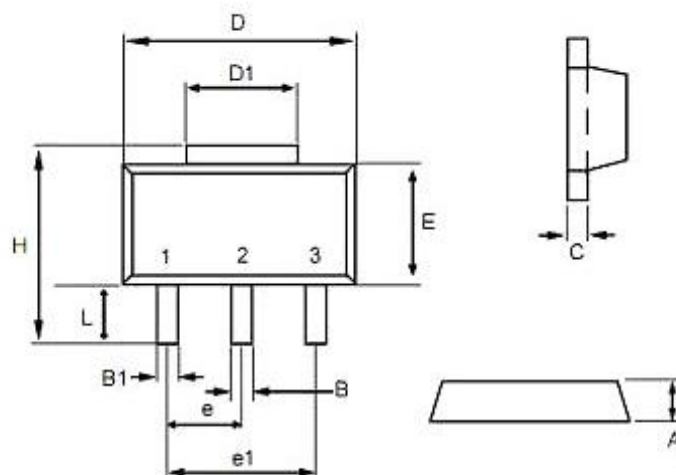
(T<sub>A</sub>=25℃ unless otherwise noted 如无特殊说明, 温度为 25℃)

| Characteristic<br>特性参数                                                                                  | Symbol<br>符号         | Min<br>最小值 | Type<br>典型值 | Max<br>最大值 | Unit<br>单位 |
|---------------------------------------------------------------------------------------------------------|----------------------|------------|-------------|------------|------------|
| Collector-Base Breakdown Voltage<br>集电极基极击穿电压(I <sub>C</sub> = -100uA, I <sub>E</sub> =0)               | BV <sub>CBO</sub>    | -40        | —           | —          | V          |
| Collector-Emitter Breakdown Voltage<br>集电极发射极击穿电压(I <sub>C</sub> = -1mA, I <sub>B</sub> =0)             | BV <sub>CEO</sub>    | -25        | —           | —          | V          |
| Emitter-Base Breakdown Voltage<br>发射极基极击穿电压(I <sub>E</sub> = -100uA, I <sub>C</sub> =0)                 | BV <sub>EBO</sub>    | -5         | —           | —          | V          |
| Collector-Base Leakage Current<br>集电极基极漏电流(V <sub>CB</sub> = -40V, I <sub>E</sub> =0)                   | I <sub>CBO</sub>     | —          | —           | -100       | nA         |
| Collector-Emitter Punch Throng Current<br>集电极发射极穿透电流(V <sub>CE</sub> = -20V, V <sub>BE</sub> =0)        | I <sub>CES</sub>     | —          | —           | -100       | nA         |
| Emitter-Base Leakage Current<br>发射极基极漏电流(V <sub>EB</sub> = -5V, I <sub>C</sub> =0)                      | I <sub>EBO</sub>     | —          | —           | -100       | nA         |
| DC Current Gain<br>直流电流增益(V <sub>CE</sub> = -1V, I <sub>C</sub> = -100mA)                               | H <sub>FE</sub> (1)  | 85         | —           | 400        |            |
| DC Current Gain<br>直流电流增益(V <sub>CE</sub> = -1V, I <sub>C</sub> = -800mA)                               | H <sub>FE</sub> (2)  | 40         | —           | —          |            |
| Collector-Emitter Saturation Voltage<br>集电极发射极饱和压降<br>(I <sub>C</sub> = -800mA, I <sub>B</sub> = -80mA) | V <sub>CE(sat)</sub> | —          | —           | -0.5       | V          |
| Base-Emitter Saturation Voltage<br>基极发射极饱和压降<br>(I <sub>C</sub> = -800mA, I <sub>B</sub> = -80mA)       | V <sub>BE(sat)</sub> | —          | —           | -1.2       | V          |
| Transition Frequency<br>特征频率(V <sub>CE</sub> = -10V, I <sub>C</sub> = -50mA)                            | f <sub>T</sub>       | 100        | —           | —          | MHz        |
| Output Capacitance<br>输出电容(V <sub>CB</sub> = -10V, I <sub>E</sub> =0, f=1MHz)                           | C <sub>ob</sub>      | —          | 20          | —          | pF         |

### Typical Characteristic Curve 典型特性曲线



### ■Dimension 外形封装尺寸



| Dim | min      | max  |
|-----|----------|------|
| A   | 1.40     | 1.60 |
| B   | 0.40     | 0.56 |
| B1  | 0.35     | 0.48 |
| C   | 0.35     | 0.44 |
| D   | 4.40     | 4.60 |
| D1  | 1.35     | 1.83 |
| e   | 1.50 BSC |      |
| e1  | 3.00 BSC |      |
| E   | 2.29     | 2.60 |
| H   | 3.75     | 4.25 |
| L   | 0.80     | 1.20 |