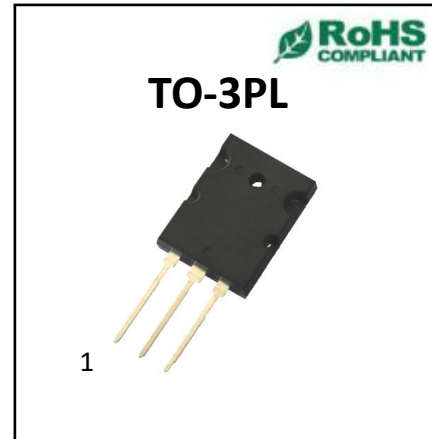


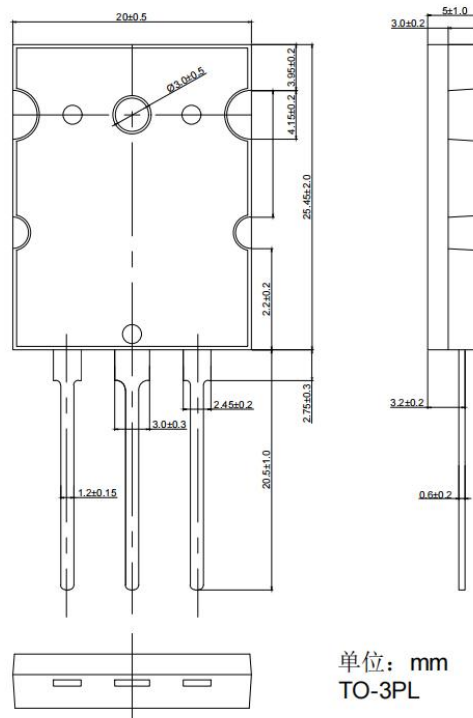
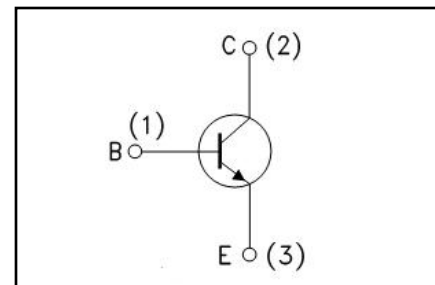
### ◆ Features:

- ✧ High efficiency, low deviation  
高效率，低偏差
- ✧ Small input impedance, low consumption of power  
输入阻抗小，功耗低
- ✧ Resistant of high temperature, high humidity  
抗高温、高湿
- ✧ Good stability, reliability  
稳定性好，可靠性高



### ◆ Applications

- ✧ Audio amplifier  
音频放大器
- ✧ Switching applications  
开关应用
- ✧ Complement to Type MJL4302AG-OSEN(PNP)  
与 MJL4302AG-OSEN(PNP)互补应用
- ✧ Recommend for 230W high fidelity audio frequency amplifier output stage applications  
推荐用于 230W 高保真音频放大器输出级应用



**◆ Absolute Maximum Ratings (T<sub>c</sub>=25°C)**

| Symbol         | Parameters                                 | Ratings           | Unit |
|----------------|--------------------------------------------|-------------------|------|
| VCBO           | Collector-Base Voltage<br>集电极 - 基极电压       | <b>350</b>        | V    |
| VCEO           | Collector-Emitter Voltage<br>集电极 - 发射极电压   | <b>350</b>        | V    |
| VEBO           | Emitter-Base Voltage<br>发射极 - 基极电压         | <b>7</b>          | V    |
| I <sub>c</sub> | Collector Current-Continuous<br>集电极连续电流    | <b>15</b>         | A    |
| I <sub>B</sub> | Base Current-Continuous<br>基极连续电流          | <b>1.5</b>        | A    |
| PC             | Collector Power Dissipation<br>耗散功率        | <b>230</b>        | W    |
| T <sub>j</sub> | Max.Operating junction temperature<br>最大结温 | <b>150</b>        | °C   |
| Tstg           | Storage Temperature<br>存储温度                | <b>-55 ~ +125</b> | °C   |

**◆ Electrical characteristics** (Tc=25°C unless otherwise noted)

| Symbol        | Parameters                                                 | Min        | Typ | Max        | Units   | Conditions                  |
|---------------|------------------------------------------------------------|------------|-----|------------|---------|-----------------------------|
| $I_{CBO}$     | Collector Cutoff Current<br>集电极截止电流                        |            | --  | <b>100</b> | $\mu A$ | $V_{CB}=350V, I_B=0$        |
| $I_{EBO}$     | Emitter Cutoff Current<br>发射极截止电流                          |            | --  | <b>100</b> | $\mu A$ | $V_{EB}=7V, I_C=0$          |
| $BV_{CEO}$    | Collector Emitter Sustaining voltage(Note 1)<br>集电极发射极持续电压 | <b>350</b> |     |            | V       | $I_C=1mA, I_B=0$            |
| $V_{CE(sat)}$ | Collector Emitter Saturation Voltage(Note 1)<br>集电极发射极饱和电压 |            |     | <b>1.0</b> | V       | $I_C=8A, I_B=0.8A$          |
| $h_{FE}$      | DC Current Gain(Note 1)<br>直流电流增益                          | <b>80</b>  | --  | <b>160</b> |         | $I_C=1A, V_{CE}=5V$         |
| $f_T$         | Current-Gain—Bandwidth<br>电流增益带宽                           | <b>10</b>  | --  | --         | MHz     | $V_{CE}=5V, I_C=1A, f=1MHz$ |

Note 1: Pulse test: PW ≤ 300us , duty cycle ≤ 2%.