

DESCRIPTION

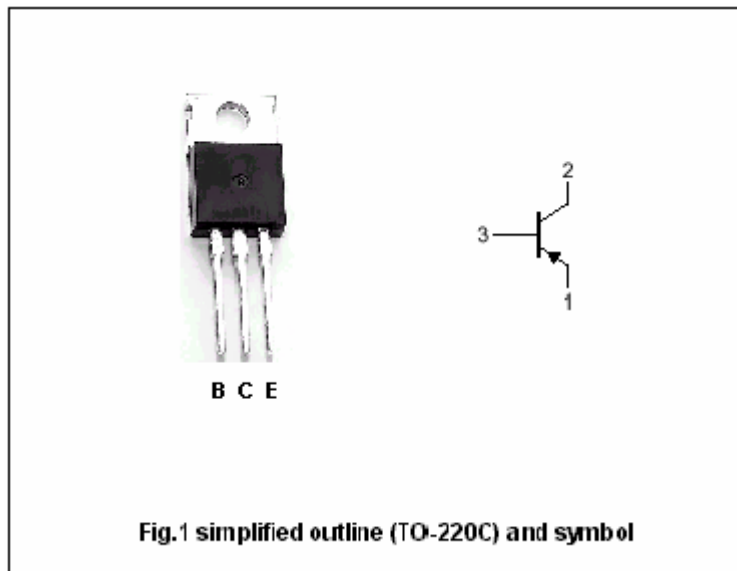
- With TO-220C package
- High V_{CEO}

APPLICATIONS

- Low frequency power amplifier color TV vertical deflection output

PINNING

| PIN | DESCRIPTION |
|-----|--------------------------------------|
| 1 | Emitter |
| 2 | Collector;connected to mounting base |
| 3 | Base |

**Absolute maximum ratings($T_a=25^\circ\text{C}$)**

| SYMBOL | PARAMETER | CONDITIONS | VALUE | UNIT |
|-----------|-----------------------------|------------------------|---------|------------------|
| V_{CBO} | Collector-base voltage | Open emitter | -160 | V |
| V_{CEO} | Collector-emitter voltage | Open base | -160 | V |
| V_{EBO} | Emitter-base voltage | Open collector | -5 | V |
| I_C | Collector current | | -1.5 | A |
| P_C | Collector power dissipation | $T_C=25^\circ\text{C}$ | 20 | W |
| T_j | Junction temperature | | 150 | $^\circ\text{C}$ |
| T_{stg} | Storage temperature | | -45~150 | $^\circ\text{C}$ |

CHARACTERISTICS

T_j=25℃ unless otherwise specified

| SYMBOL | PARAMETER | CONDITIONS | MIN | TYP. | MAX | UNIT |
|----------------------|--------------------------------------|--|------|------|------|------|
| V _{(BR)CEO} | Collector-emitter breakdown voltage | I _C =-10mA; I _B =0 | -160 | | | V |
| V _{(BR)CBO} | Collector-base breakdown voltage | I _C =-0.1mA; I _E =0 | -160 | | | V |
| V _{(BR)EBO} | Emitter-base breakdown voltage | I _E =-0.1mA; I _C =0 | -5 | | | V |
| V _{CEsat} | Collector-emitter saturation voltage | I _C =-0.3A; I _B =-30mA | | | -1.0 | V |
| V _{BE} | Base-emitter voltage | I _C =-0.3A; V _{CE} =-4V | | | -1.0 | V |
| I _{CBO} | Collector cut-off current | V _{CB} =-120V; I _E =0 | | | -1 | μA |
| I _{EBO} | Emitter cut-off current | V _{EB} =-4V; I _C =0 | | | -1 | μA |
| h _{FE} | DC current gain | I _C =-0.3A; V _{CE} =-5V | 40 | | 200 | |
| f _T | Transition frequency | I _C =-0.3A; V _{CE} =-5V | | 40 | | MHz |

PACKAGE OUTLINE

