

DESCRIPTION

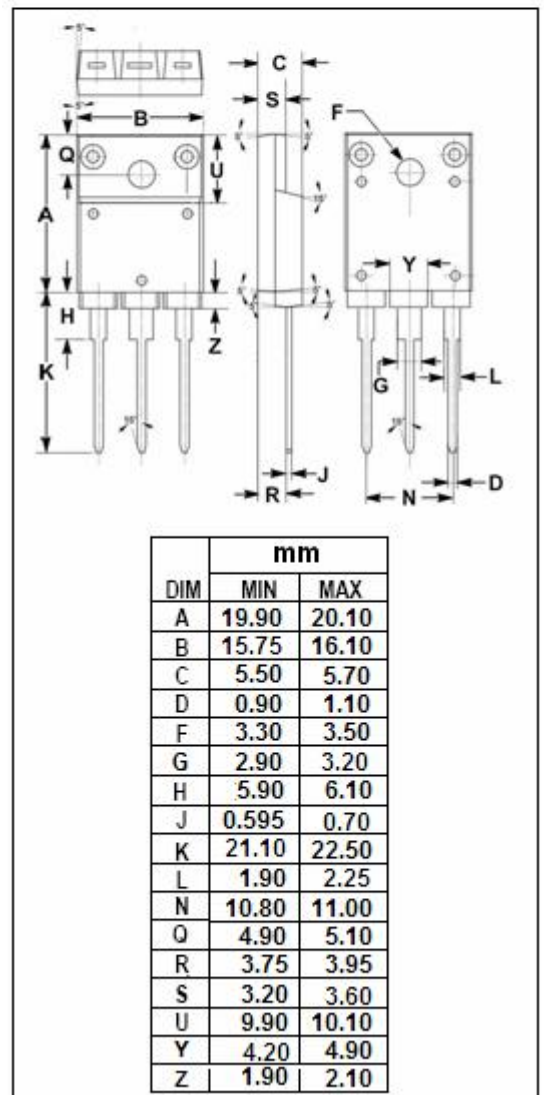
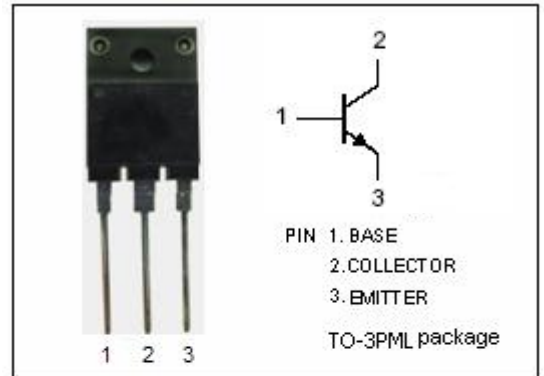
- High Breakdown Voltage-
: $V_{CBO} = 1500V$ (Min)
- High Switching Speed
- High Reliability

APPLICATIONS

- Color TV horizontal deflection output
- Color display horizontal deflection output

ABSOLUTE MAXIMUM RATINGS($T_a=25^{\circ}C$)

| SYMBOL | PARAMETER | VALUE | UNIT |
|-----------|--|---------|-------------|
| V_{CBO} | Collector-Base Voltage | 1500 | V |
| V_{CEO} | Collector-Emitter Voltage | 800 | V |
| V_{EBO} | Emitter-Base Voltage | 6 | V |
| I_C | Collector Current- Continuous | 5 | A |
| I_{CP} | Collector Current-Pulse | 16 | A |
| P_C | Collector Power Dissipation @ $T_c=25^{\circ}C$ | 50 | W |
| T_J | Junction Temperature | 150 | $^{\circ}C$ |
| T_{stg} | Storage Temperature Range | -55~150 | $^{\circ}C$ |



ELECTRICAL CHARACTERISTICS

T_c=25°C unless otherwise specified

| SYMBOL | PARAMETER | CONDITIONS | MIN | TYP. | MAX | UNIT |
|-----------------------|--------------------------------------|--|-----|------|-----|------|
| V _{CEQ(SUS)} | Collector-Emitter Sustaining Voltage | I _C = 10mA; I _B = 0 | 800 | | | V |
| V _{CE(sat)} | Collector-Emitter Saturation Voltage | I _C = 4.5A; I _B = 2A | | | 5.0 | V |
| V _{BE(sat)} | Base-Emitter Saturation Voltage | I _C = 4.5A; I _B = 2A | | | 1.5 | V |
| I _{CBO} | Collector Cutoff Current | V _{CB} = 800V ; I _E = 0 | | | 10 | μ A |
| I _{CES} | Collector Cutoff Current | V _{CE} = 1500V ; R _{BE} = 0 | | | 1.0 | mA |
| I _{EBO} | Emitter Cutoff Current | V _{EB} = 4V ; I _C = 0 | | | 1.0 | mA |
| h _{FE-1} | DC Current Gain | I _C = 0.5A ; V _{CE} = 5V | 8 | | | |
| t _f | Fall Time | I _C = 4A , I _{B1} = 0.8A ; I _{B2} = 1.6A P _W =20 μ s; Duty Cycle ≤ 1% | | | 0.5 | μ s |