

Unit in mm

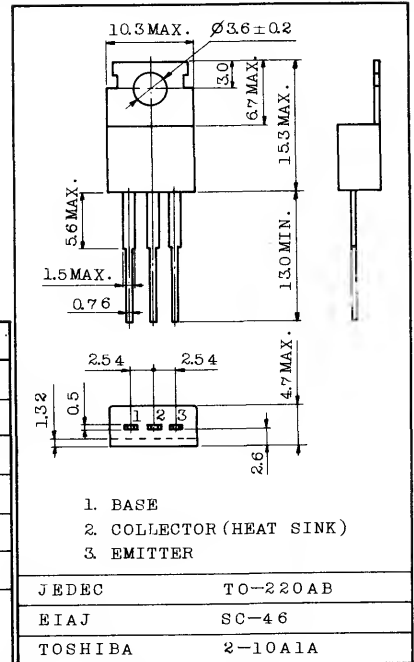
TV HORIZONTAL DEFLECTION OUTPUT APPLICATIONS.

FEATURES:

- . Large Collector Current Capability.
- . Large Collector Power Dissipation Capability.

MAXIMUM RATINGS (Ta=25°C)

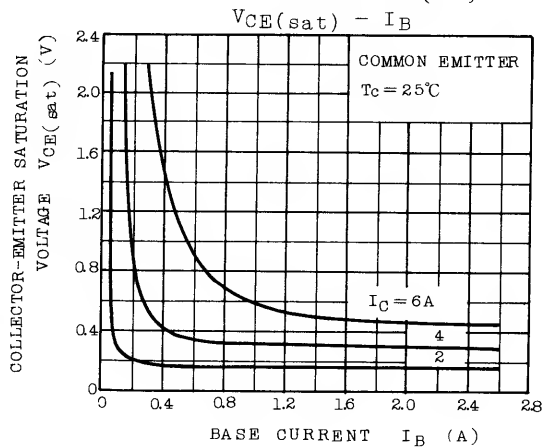
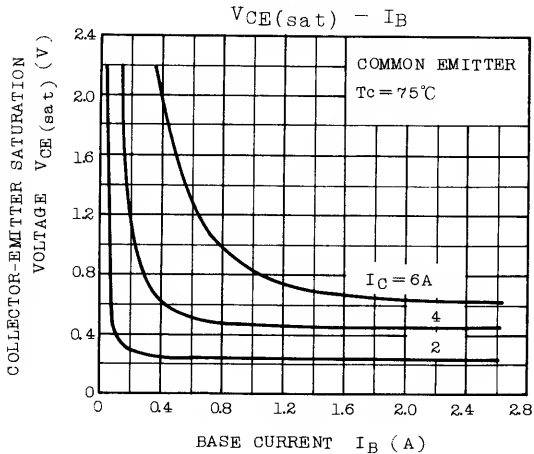
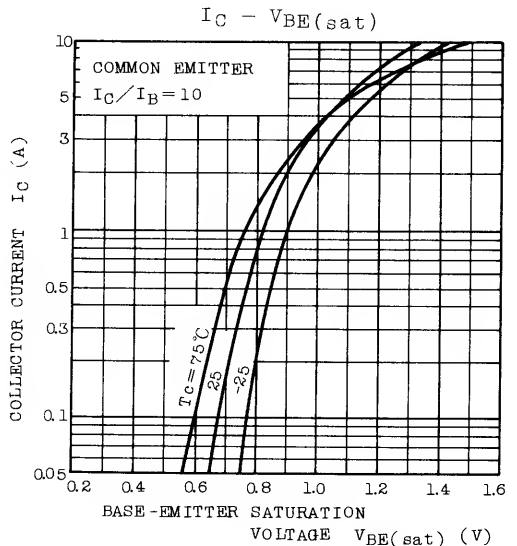
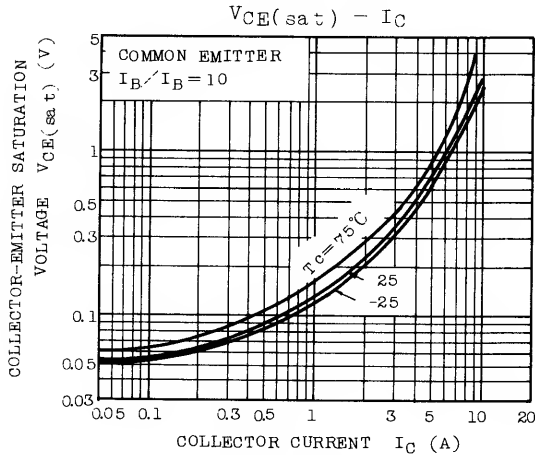
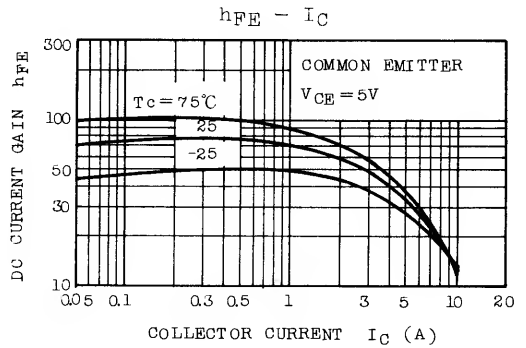
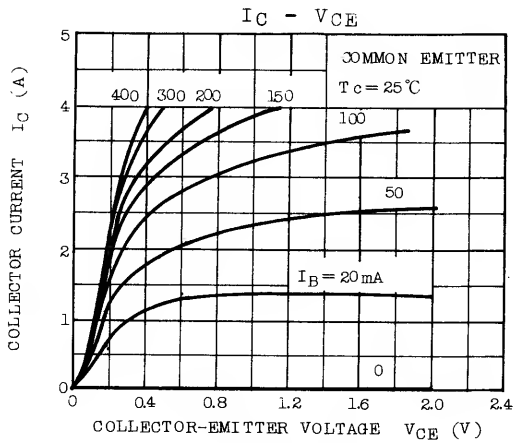
| CHARACTERISTIC              |         | SYMBOL           | RATING  | UNIT |
|-----------------------------|---------|------------------|---------|------|
| Collector-Base Voltage      |         | V <sub>CB0</sub> | 200     | V    |
| Collector-Emitter Voltage   |         | V <sub>CE0</sub> | 60      | V    |
| Emitter-Base Voltage        |         | V <sub>EB0</sub> | 5       | V    |
| Collector Current           |         | I <sub>C</sub>   | 4       | A    |
|                             |         | I <sub>CP</sub>  | 10      | A    |
| Base Current                |         | I <sub>B</sub>   | 1       | A    |
| Collector Power Dissipation | Ta=25°C | P <sub>C</sub>   | 1.5     | W    |
|                             | Tc=25°C |                  | 40      |      |
| Junction Temperature        |         | T <sub>j</sub>   | 150     | °C   |
| Storage Temperature Range   |         | T <sub>stg</sub> | -55~150 | °C   |

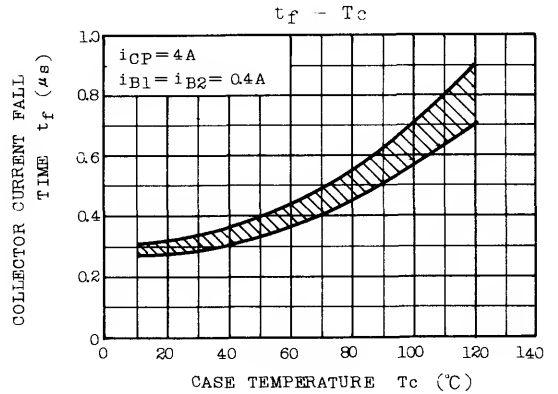
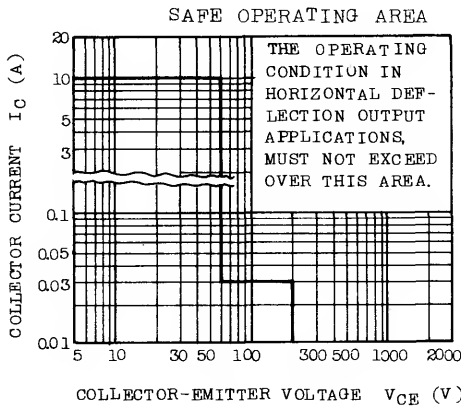
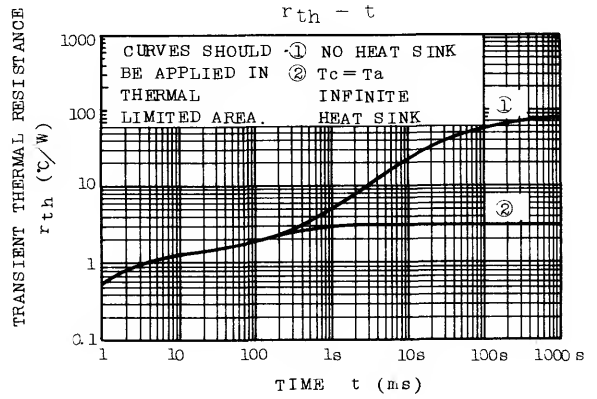
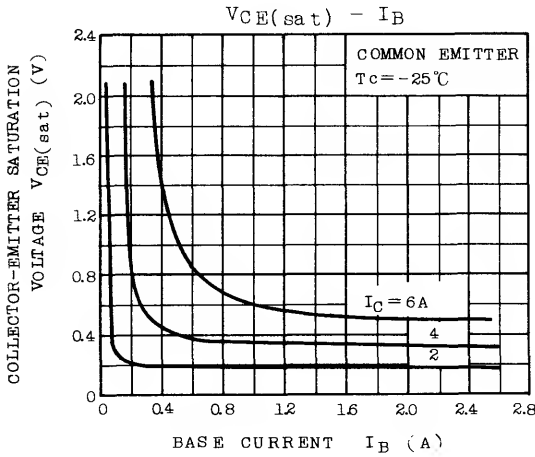


Weight: 1.9g  
Mounting kit No. AC75

ELECTRICAL CHARACTERISTICS (Ta=25°C)

| CHARACTERISTIC                       | SYMBOL               | TEST CONDITION                            | MIN. | TYP. | MAX. | UNIT |
|--------------------------------------|----------------------|---|------|------|------|------|
| Collector Cut-off Current            | I <sub>CB0</sub>     | V <sub>CB</sub> =170V, I <sub>E</sub> =0  | -    | -    | 10   | μA   |
| Emitter Cut-off Current              | I <sub>EB0</sub>     | V <sub>EB</sub> =5V, I <sub>C</sub> =0    | -    | -    | 10   | μA   |
| DC Current Gain                      | h <sub>FE</sub> (1)  | V <sub>CE</sub> =5V, I <sub>C</sub> =1A   | 30   | -    | 150  |      |
|                                      | h <sub>FE</sub> (2)  | V <sub>CE</sub> =5V, I <sub>C</sub> =4A   | 20   | 40   | -    |      |
| Collector-Emitter Saturation Voltage | V <sub>CE(sat)</sub> | I <sub>C</sub> =4A, I <sub>B</sub> =0.4A  | -    | -    | 1.0  | V    |
| Base-Emitter Saturation Voltage      | V <sub>BE(sat)</sub> | I <sub>C</sub> =4A, I <sub>B</sub> =0.4A  | -    | -    | 1.5  | V    |
| Transition Frequency                 | f <sub>T</sub>       | V <sub>CE</sub> =5V, I <sub>C</sub> =0.5A | -    | 8    | -    | MHz  |





TEST CIRCUIT

