

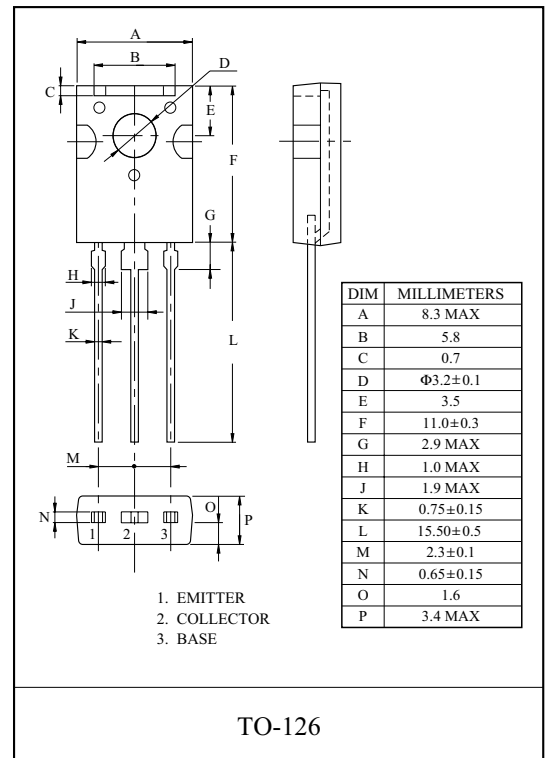
COLOR TV CHROMA OUTPUT AND AUDIO
OUTPUT APPLICATIONS.

FEATURES

- High breakdown voltage : $V_{CEO} \geq 300V$.

MAXIMUM RATING (Ta=25 °C)

| CHARACTERISTIC | | SYMBOL | RATING | UNIT |
|--------------------------------|----------|-----------|-----------|------|
| Collector-Base Voltage | | V_{CBO} | 300 | V |
| Collector-Emitter Voltage | | V_{CEO} | 300 | V |
| Emitter-Base Voltage | | V_{EBO} | 6 | V |
| Collector Current | DC | I_C | 200 | mA |
| | Pulse | I_{CP} | 400 | |
| Collector Power Dissipation | Ta=25 °C | P_C | 1.5 | W |
| | Tc=25 °C | | 10 | |
| Junction Temperature | | T_j | 150 | °C |
| Storage Temperature Range | | T_{stg} | -55 ~ 150 | °C |

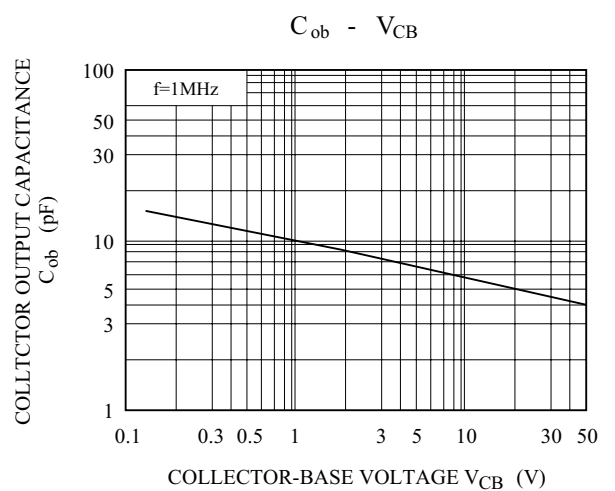
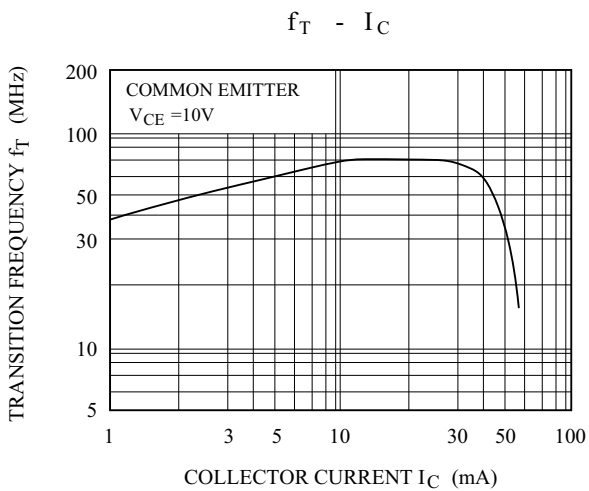
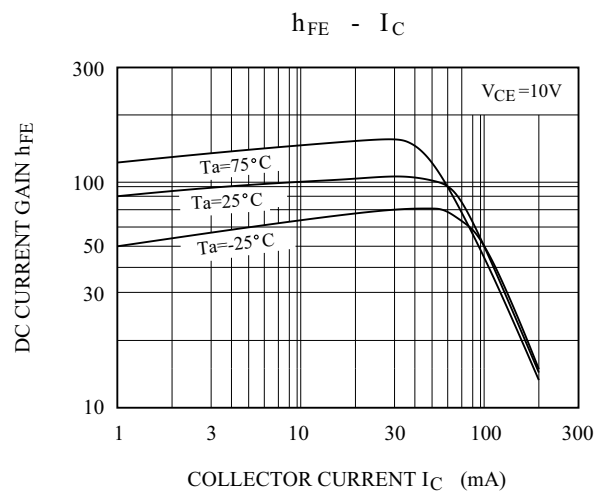
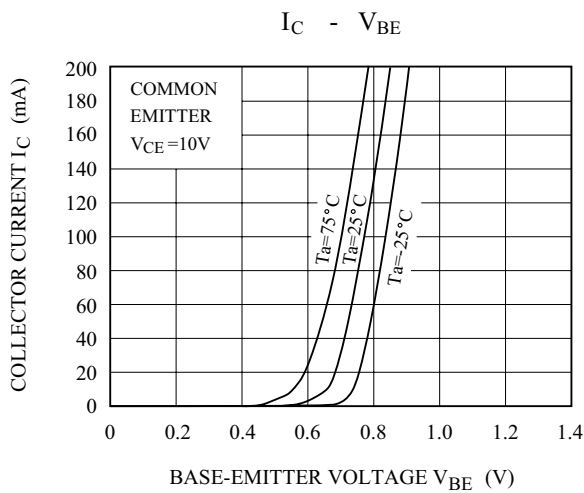
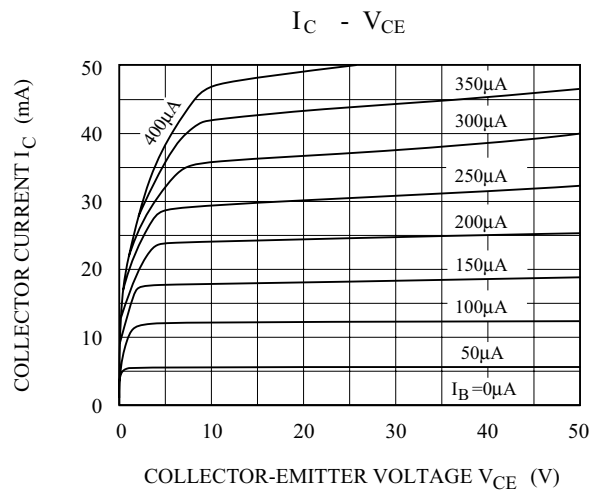
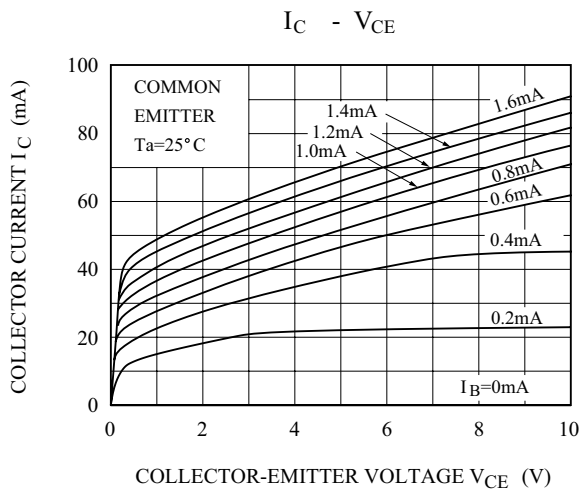


ELECTRICAL CHARACTERISTICS (Ta=25 °C)

| CHARACTERISTIC | SYMBOL | TEST CONDITION | MIN. | TYP. | MAX. | UNIT |
|--------------------------------------|-----------------------|------------------------|------|------|------|---------|
| Collector Cut-off Current | I_{CBO} | $V_{CB}=200V, I_E=0$ | - | - | 0.1 | μA |
| Emitter Cut-off Current | I_{EBO} | $V_{EB}=5V, I_C=0$ | - | - | 0.1 | μA |
| DC Current Gain | $h_{FE}(\text{Note})$ | $V_{CE}=10V, I_C=10mA$ | 60 | - | 200 | |
| Transition Frequency | f_T | $V_{CE}=10V, I_C=10mA$ | - | 70 | - | MHz |
| Output Capacitance | C_{ob} | $V_{CB}=50V, f=1MHz$ | - | 3.5 | - | pF |
| Collector-Emitter Saturation Voltage | $V_{CE(sat)}$ | $I_C=20mA, I_B=2mA$ | - | - | 0.6 | V |
| Base-Emitter Saturation Voltage | $V_{BE(sat)}$ | $I_C=20mA, I_B=2mA$ | - | - | 1.0 | V |

Note) h_{FE} Classification : O:60 ~ 120, Y:100 ~ 200.

KTC4217



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