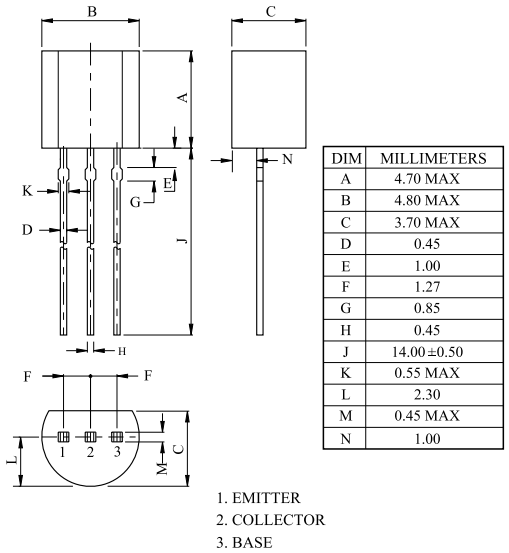
POWER AMPLIFIER APPLICATION.
POWER SWITCHING APPLICATION.

FEATURES

· Low Saturation Voltage.
: $V_{CE(sat)}$=-0.5V(Max.) at $I_C$=-2A
· Complementary to KTC3266.




| DIM | MILLIMETERS |
|---|---|
| A | 4.70 MAX |
| B | 4.80 MAX |
| C | 3.70 MAX |
| D | 0.45 |
| E | 1.00 |
| F | 1.27 |
| G | 0.85 |
| H | 0.45 |
| J | 14.00±0.50 |
| K | 0.55 MAX |
| L | 2.30 |
| M | 0.45 MAX |
| N | 1.00 |

TO-92

MAXIMUM RATING (Ta=25℃)

| CHARACTERISTIC | SYMBOL | RATING | UNIT |
|---|---|---|---|
| Collector-Base Voltage | $V_{CBO}$ | -20 | V |
| Collector-Emitter Voltage | $V_{CEO}$ | -20 | V |
| Emitter-Base Voltage | $V_{EBO}$ | -6 | V |
| Collector Current | $I_C$ | -2 | A |
| Base Current | $I_B$ | -0.5 | A |
| Collector Power Dissipation | $P_C$ | 625 | mW |
| Junction Temperature | $T_j$ | 150 | ℃ |
| Storage Temperature Range | $T_{stg}$ | -55 150 | ℃ |

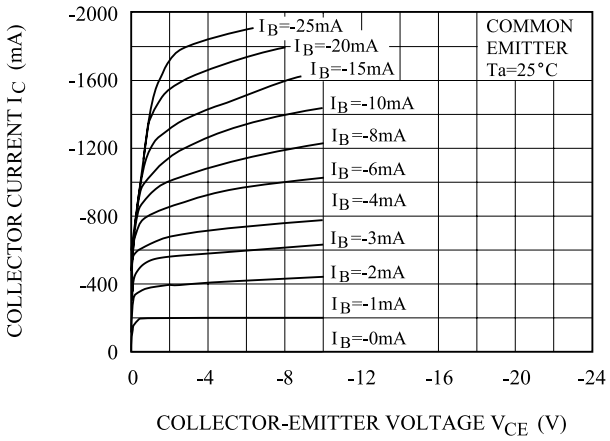
Not recommended for new design

ELECTRICAL CHARACTERISTICS (Ta=25℃)

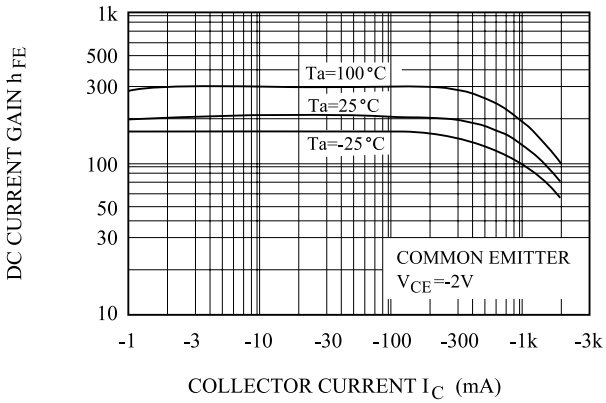
| CHARACTERISTIC | SYMBOL | TEST CONDITION | MIN. | TYP. | MAX. | UNIT |
|---|---|---|---|---|---|---|
| Collector Cut-off Current | $I_{CBO}$ | $V_{CB}$=-20V, $I_E$=0 | - | - | -0.1 | μA |
| Emitter Cut-off Current | $I_{EBO}$ | $V_{EB}$=-6V, $I_C$=0 | - | - | -0.1 | μA |
| DC Current Gain | $h_{FE}$(1) (Note) | $V_{CE}$=-2V, $I_C$=-0.1A | 120 | - | 400 | |
| | $h_{FE}$(2) | $V_{CE}$=-2V, $I_C$=-2A | 40 | - | - | |
| Collector-Emitter Saturation Voltage | $V_{CE(sat)}$ | $I_C$=-2A, $I_B$=-0.1A | - | - | -0.5 | V |
| Base-Emitter Voltage | $V_{BE}$ | $V_{CE}$=-2V, $I_C$=-0.1A | - | - | -0.85 | V |
| Transition Frequency | $f_T$ | $V_{CE}$=-2V, $I_C$=-0.5A | - | 120 | - | MHz |
| Collector Output Capacitance | $C_{ob}$ | $V_{CB}$=-10V, $I_E$=0, f=1MHz | - | 40 | - | pF |

Note : $h_{FE}$(1) Classification Y:120 240, GR:200 400

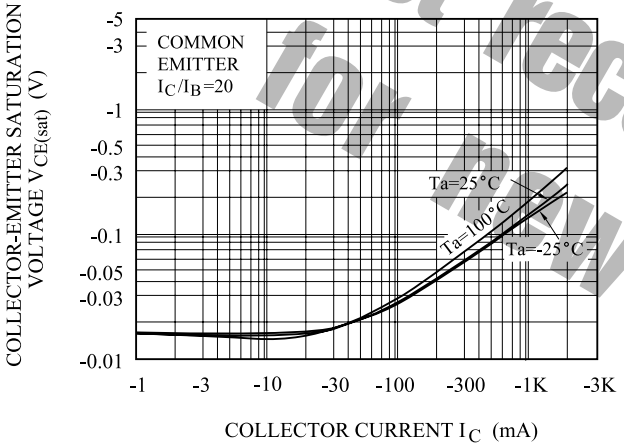
$I_C$ - $V_{CE}$



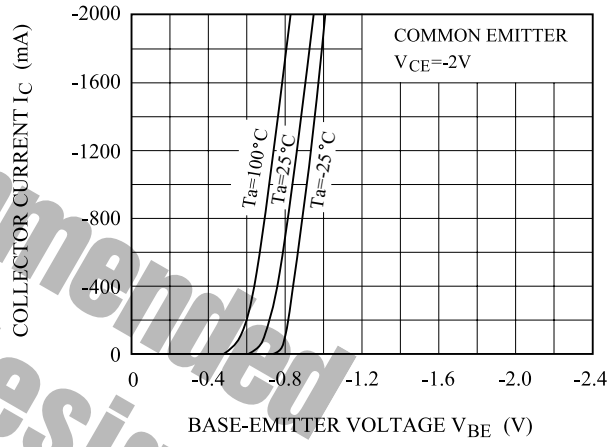

$h_{FE}$ - $I_C$




$V_{CE(sat)}$ - $I_C$

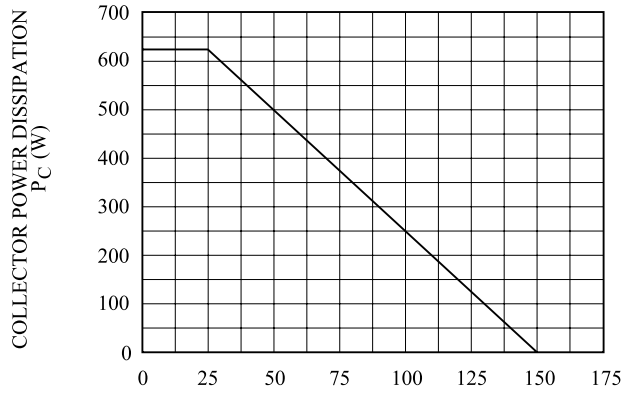



$I_C$ - $V_{BE}$




Not recommended for new design

Pc - Ta




SAFE OPERATING AREA

