

GENERAL PURPOSE APPLICATION.

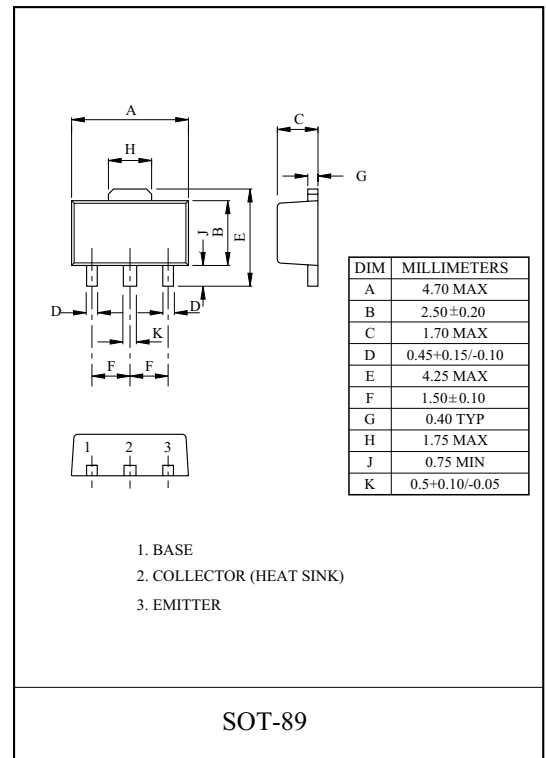
FEATURES

- 1W (Mounted on Ceramic Substrate).
- Small Flat Package.
- Complementary to KTD1898.

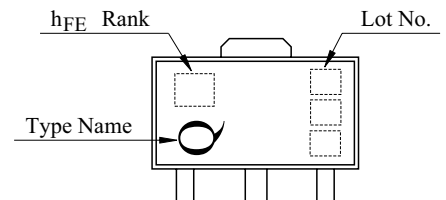
MAXIMUM RATING (Ta=25 °C)

| CHARACTERISTIC | SYMBOL | RATING | UNIT |
|-----------------------------|-----------|-----------|------|
| Collector-Base Voltage | V_{CBO} | -80 | V |
| Collector-Emitter Voltage | V_{CEO} | -80 | V |
| Emitter-Base Voltage | V_{EBO} | -5 | V |
| Collector Current | I_C | -1 | A |
| Emitter Current | I_E | 1 | A |
| Collector Power Dissipation | P_C | 500 | mW |
| | P_C^* | 1 | W |
| Junction Temperature | T_j | 150 | °C |
| Storage Temperature Range | T_{stg} | -55 ~ 150 | °C |

* Mounted on ceramic substrate(250mm² × 0.8t)



Marking

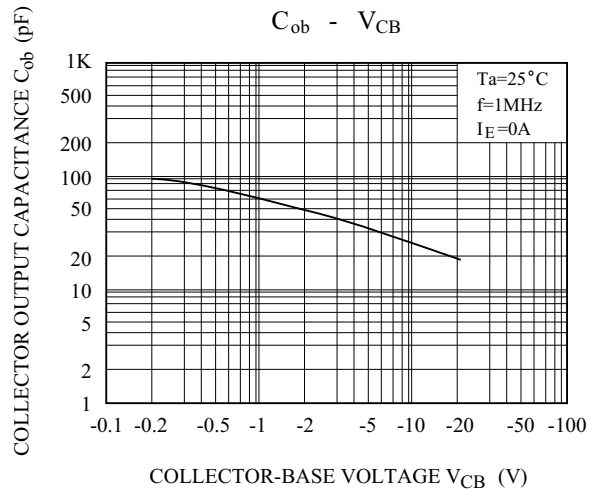
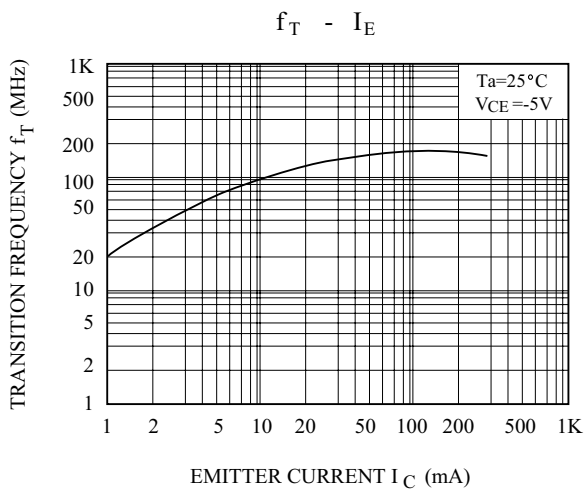
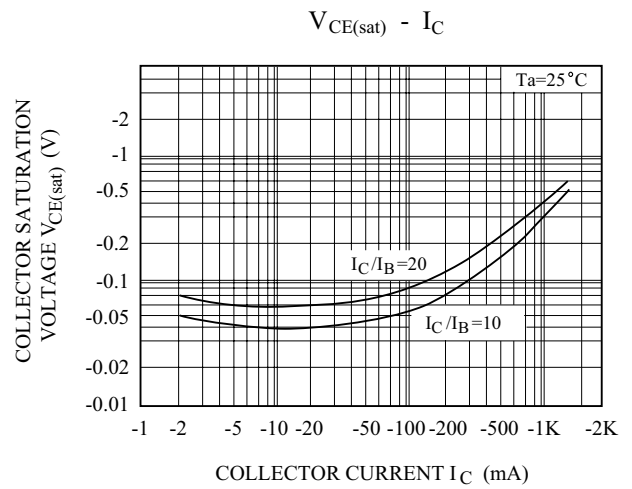
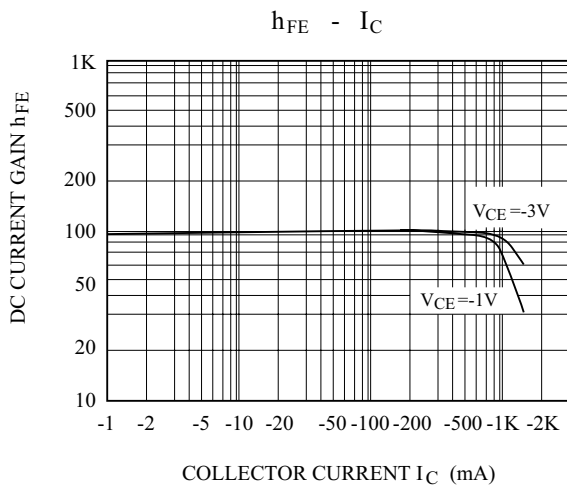
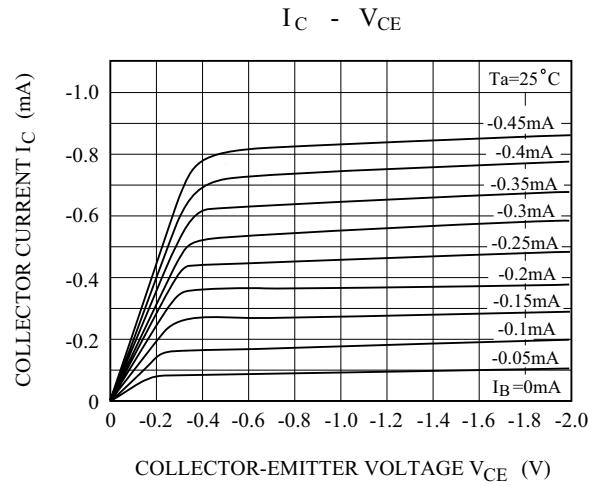
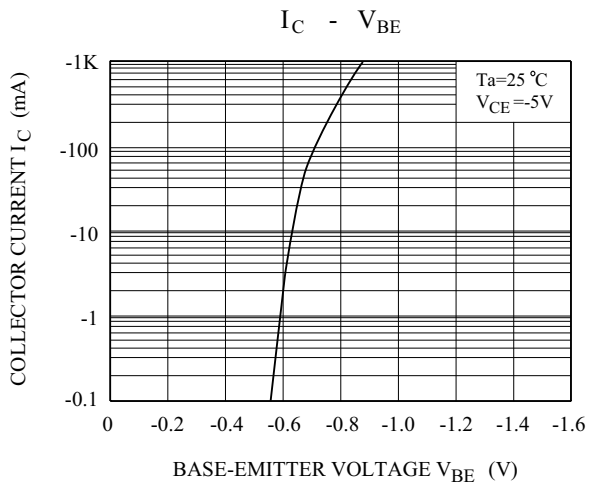


ELECTRICAL CHARACTERISTICS (Ta=25 °C)

| CHARACTERISTIC | SYMBOL | TEST CONDITION | MIN. | TYP. | MAX. | UNIT |
|--------------------------------------|-----------------------|--|------|------|------|------|
| Collector Cut-off Current | I_{CBO} | $V_{CB} = -60V, I_E = 0$ | - | - | -1 | μA |
| Emitter Cut-off Current | I_{EBO} | $V_{EB} = -4V, I_C = 0$ | - | - | -1 | μA |
| Collector-Emitter Breakdown Voltage | $V_{(BR)CEO}$ | $I_C = -1mA, I_B = 0$ | -80 | - | - | V |
| DC Current Gain | $h_{FE}(\text{Note})$ | $V_{CE} = -3V, I_C = -100mA$ | 70 | - | 400 | |
| Collector-Emitter Saturation Voltage | $V_{CE(sat)}$ | $I_C = -500mA, I_B = -50mA$ | - | - | -0.4 | V |
| Transition Frequency | f_T | $V_{CE} = -5V, I_C = -50mA, f = 30MHz$ | - | 100 | - | MHz |
| Collector Output Capacitance | C_{ob} | $V_{CB} = -10V, I_E = 0, f = 1MHz$ | - | 25 | - | pF |

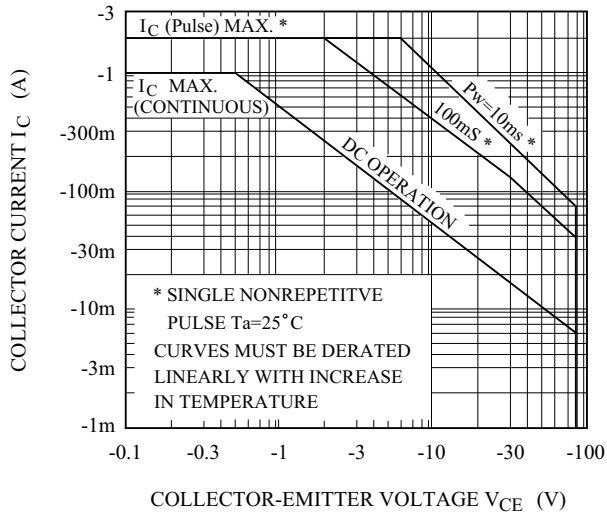
Note : h_{FE} Classification O:70 ~ 140, Y:120 ~ 240, GR:200 ~ 400

KTB1260



KTB1260

SAFE OPERATING AREA



$P_c - T_a$

