

HIGH CURRENT APPLICATION.

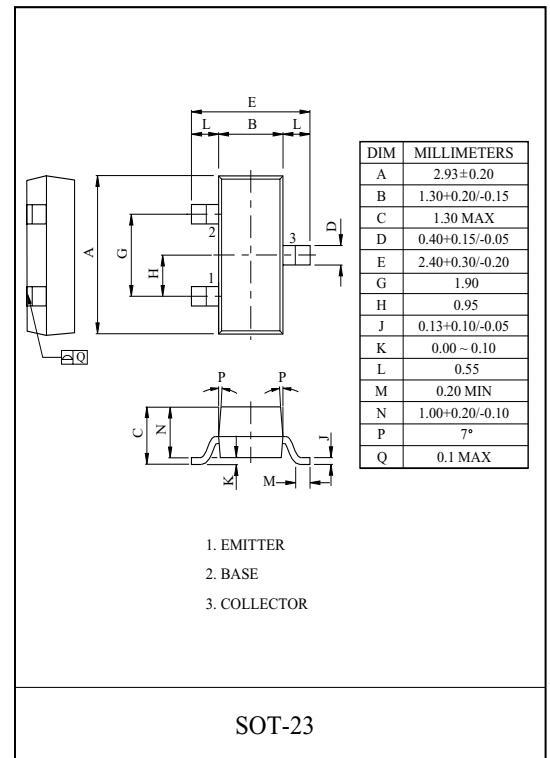
### FEATURE

- Complementary to KTC8050S.

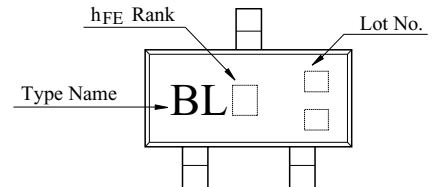
### MAXIMUM RATING (Ta=25 °C)

| CHARACTERISTIC              | SYMBOL    | RATING  | UNIT |
|-----------------------------|-----------|---------|------|
| Collector-Base Voltage      | $V_{CBO}$ | -35     | V    |
| Collector-Emitter Voltage   | $V_{CEO}$ | -30     | V    |
| Emitter-Base Voltage        | $V_{EBO}$ | -5      | V    |
| Collector Current           | $I_C$     | -800    | mA   |
| Emitter Current             | $I_E$     | 800     | mA   |
| Collector Power Dissipation | $P_C^*$   | 350     | mW   |
| Junction Temperature        | $T_j$     | 150     |      |
| Storage Temperature Range   | $T_{stg}$ | -55 150 |      |

\*  $P_C$  : Package Mounted On 99.5% Alumina (10 × 8 × 0.6mm)



### Marking



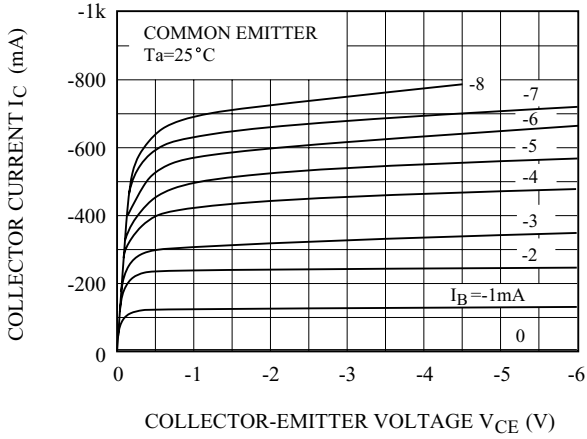
### ELECTRICAL CHARACTERISTICS (Ta=25 °C)

| CHARACTERISTIC                       | SYMBOL             | TEST CONDITION               | MIN. | TYP. | MAX. | UNIT |
|--------------------------------------|--------------------|------------------------------|------|------|------|------|
| Collector Cut-off Current            | $I_{CBO}$          | $V_{CB}=-15V, I_E=0$         | -    | -    | -50  | nA   |
| Collector-Base Breakdown Voltage     | $V_{(BR)CBO}$      | $I_C=-0.5mA, I_E=0$          | -35  | -    | -    | V    |
| Collector-Emitter Breakdown Voltage  | $V_{(BR)CEO}$      | $I_C=-1mA, I_B=0$            | -30  | -    | -    | V    |
| DC Current Gain                      | $h_{FE}(1)$ (Note) | $V_{CE}=-1V, I_C=-50mA$      | 100  | -    | 300  |      |
|                                      | $h_{FE}(2)$        | $V_{CE}=-1V, I_C=-350mA$     | 60   | -    | -    |      |
| Collector-Emitter Saturation Voltage | $V_{CE(sat)}$      | $I_C=-500mA, I_B=-50mA$      | -    | -    | -0.5 | V    |
| Base-Emitter Voltage                 | $V_{BE}$           | $V_{CE}=-1V, I_C=-500mA$     | -    | -    | -1.2 | V    |
| Transition Frequency                 | $f_T$              | $V_{CE}=-5V, I_C=-10mA$      | -    | 120  | -    | MHz  |
| Collector Output Capacitance         | $C_{ob}$           | $V_{CB}=-10V, f=1MHz, I_E=0$ | -    | 19   | -    | pF   |

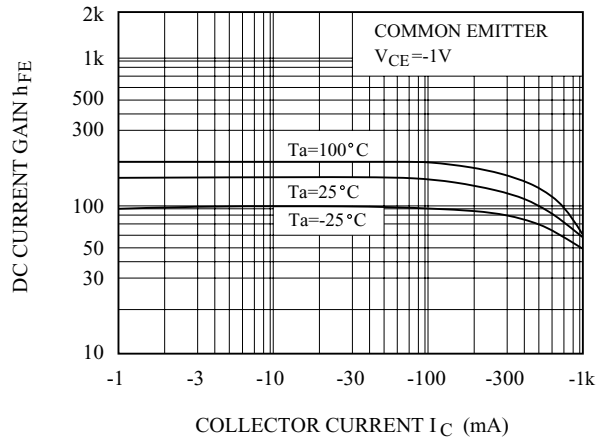
Note :  $h_{FE}(1)$  Classification C : 100 200, D : 150 300

# KTC8550S

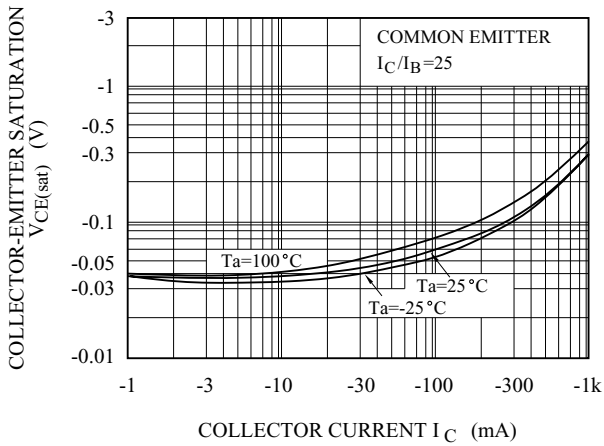
$I_C - V_{CE}$



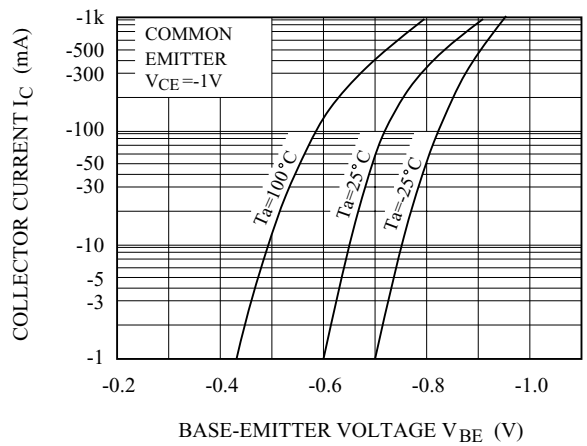
$h_{FE} - I_C$



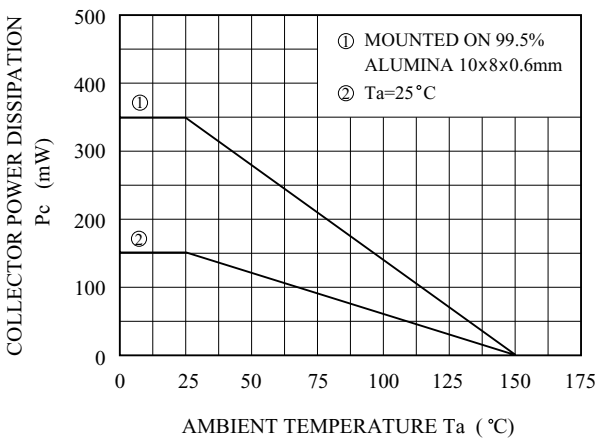
$V_{CE(sat)} - I_C$



$I_C - V_{BE}$



$P_c - T_a$



单击下面可查看定价，库存，交付和生命周期等信息

[>>KEC\(开益禧\)](#)