

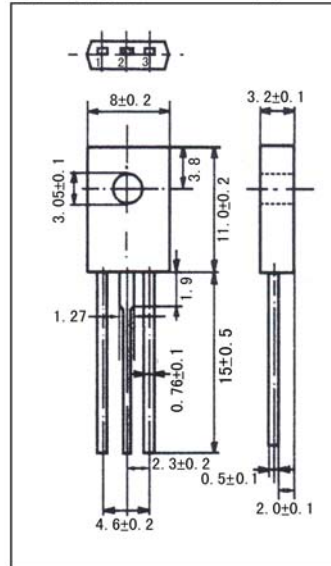
用途：主要用于节能灯、日光灯电子镇流器及其它开关、振荡电路。

Purpose: High frequency electronic lighting ballast applications, converters, inverters, switching regulators, etc.

极限参数/Absolute maximum ratings ( $T_a=25^\circ\text{C}$ )

| 参数符号<br>Symbol               | 数值<br>Rating | 单位<br>Unit       |
|------------------------------|--------------|------------------|
| $V_{CB0}$                    | 600          | V                |
| $V_{CE0}$                    | 400          | V                |
| $V_{EB0}$                    | 9.0          | V                |
| $I_C$                        | 1.5          | A                |
| $P_C (T_a=25^\circ\text{C})$ | 1.25         | W                |
| $P_C (T_c=25^\circ\text{C})$ | 50           | W                |
| $T_j$                        | 150          | $^\circ\text{C}$ |
| $T_{stg}$                    | -55~150      | $^\circ\text{C}$ |

T0-126F反 单位: mm



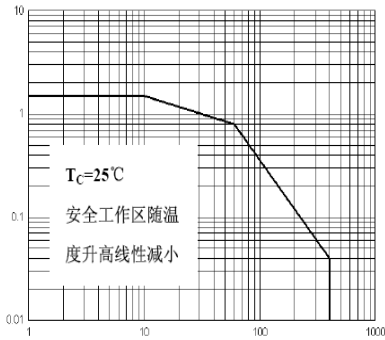
引脚： 1.B 2.C 3.E

电性能参数/Electrical characteristics ( $T_a=25^\circ\text{C}$ )

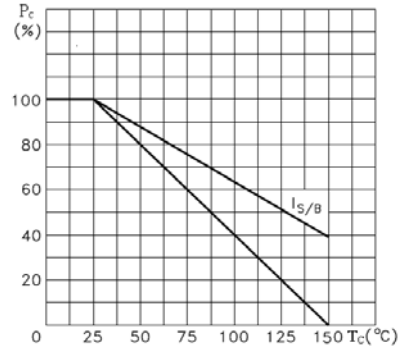
| 参数符号<br>Symbol | 测试条件<br>Test condition |                    | 数值<br>Rating      |            |            | 单位<br>Unit    |
|----------------|------------------------|--------------------|-------------------|------------|------------|---------------|
|                |                        |                    | 最小值<br>Min        | 典型值<br>Typ | 最大值<br>Max |               |
| $V_{CB0}$      | $I_C=1\text{mA}$       | $I_E=0$            | 600               |            |            | V             |
| $V_{CE0}$      | $I_C=10\text{mA}$      | $I_B=0$            | 400               |            |            | V             |
| $V_{EB0}$      | $I_E=1\text{mA}$       | $I_C=0$            | 9.0               |            |            | V             |
| $I_{CB0}$      | $V_{CB}=600\text{V}$   | $I_E=0$            |                   |            | 0.1        | mA            |
| $I_{CE0}$      | $V_{CE}=400\text{V}$   | $I_B=0$            |                   |            | 0.1        | mA            |
| $I_{EB0}$      | $V_{EB}=9.0\text{V}$   | $I_C=0$            |                   |            | 0.1        | mA            |
| $h_{FE}$       | $V_{CE}=5.0\text{V}$   | $I_C=0.2\text{A}$  | 10                |            | 40         |               |
| $V_{CE(sat)}$  | $I_C=1.0\text{A}$      | $I_B=0.25\text{A}$ |                   |            | 0.9        | V             |
| $V_{BE(sat)}$  | $I_C=1.0\text{A}$      | $I_B=0.50\text{A}$ |                   |            | 1.2        | V             |
| $f_T$          | $V_{CE}=10\text{V}$    | $I_C=0.1\text{A}$  | $f=1.0\text{MHz}$ | 5.0        |            | MHz           |
| $t_s$          | $V_{CE}=5\text{V}$     | $I_C=250\text{mA}$ |                   |            | 4          | $\mu\text{s}$ |
| $t_f$          | (UI9600)               |                    |                   |            | 0.8        | $\mu\text{s}$ |

# MJE13003K6 (3DD13003K6)

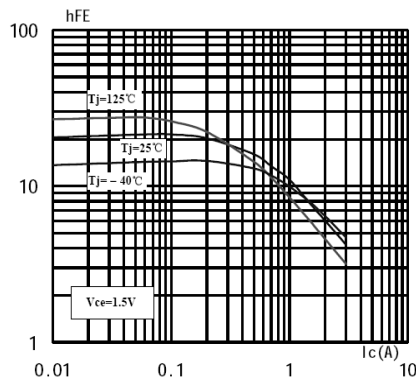
SOA (DC)



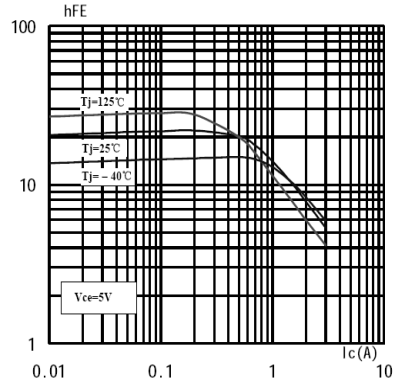
$P_C - T_C$



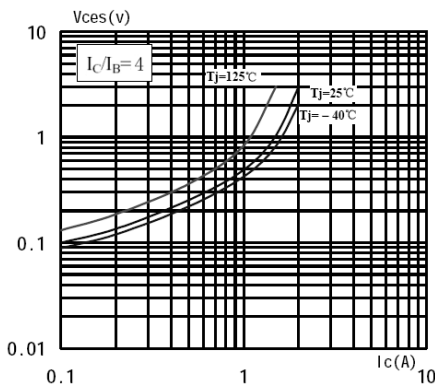
$h_{FE} - I_C$



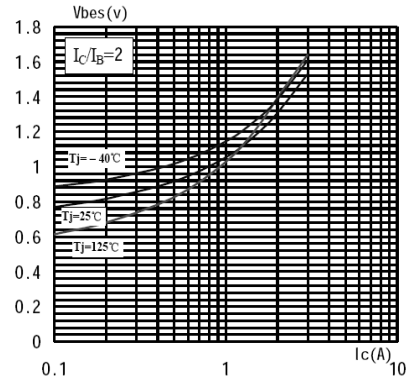
$h_{FE} - I_C$



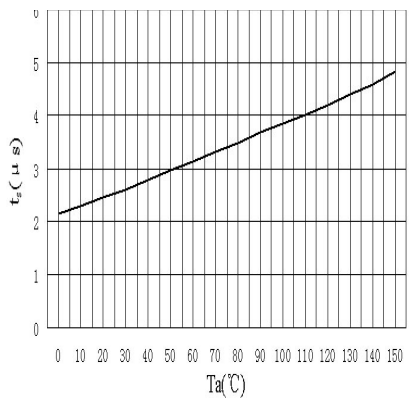
$V_{ces} - I_C$



$V_{bes} - I_C$



$t_s - T_a$



$h_{FE} - T_a$

