

**/ Descriptions**

TO-126F          PNP          Silicon PNP transistor in a TO-126F Plastic Package.

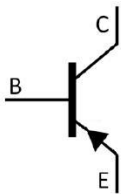
**/ Features**

KSE340

High collector-Emitter breakdown voltage, Suitable for transformer, complement to KSE340.

**/ Applications**

High voltage general purpose applications.

**/ Equivalent Circuit****/ Pinning**

PIN1   Emitter          PIN 2   Collector          PIN 3   Base

**/  $h_{FE}$  Classifications & Marking**

See Marking Instructions.

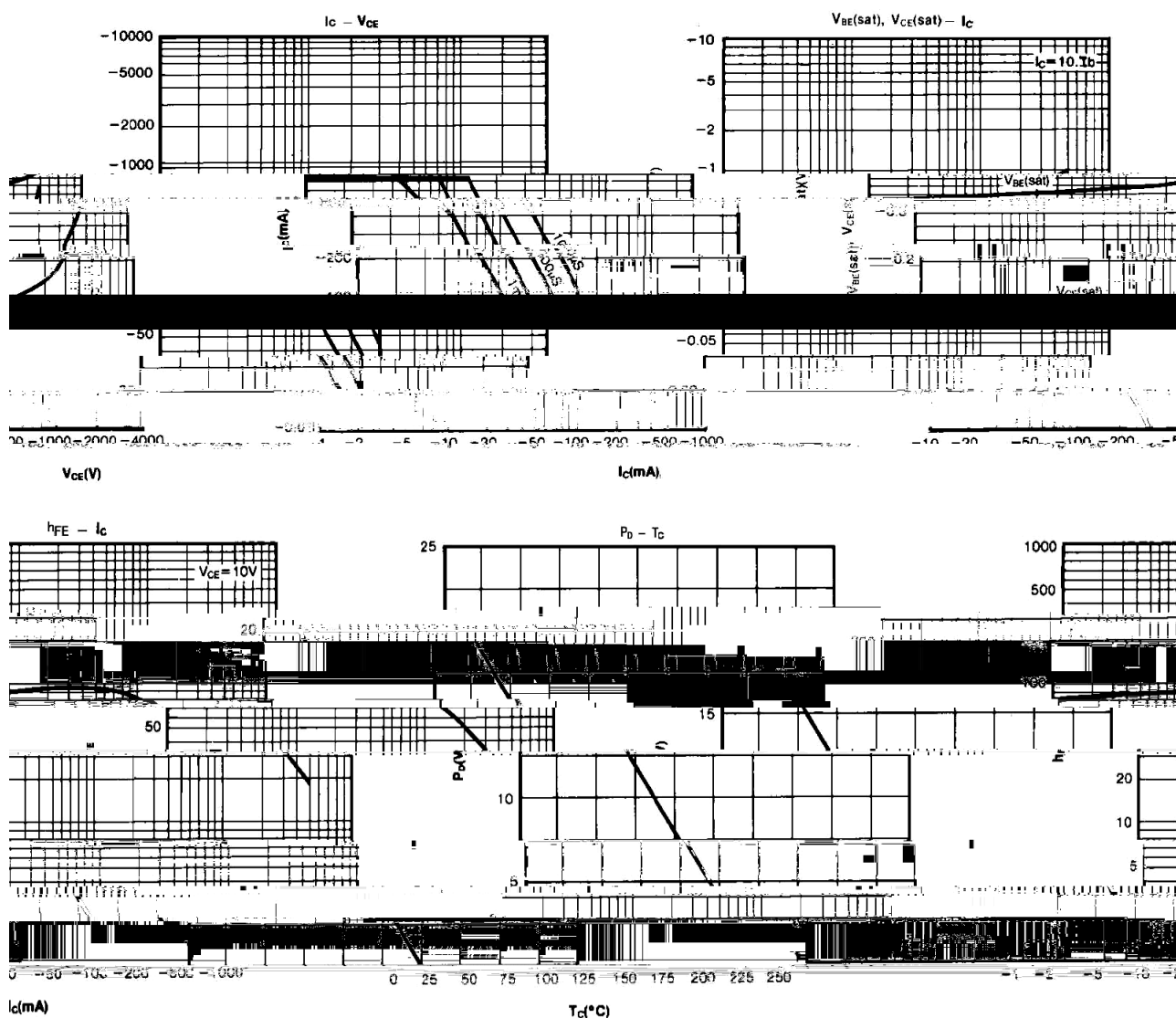
**/ Absolute Maximum Ratings(Ta=25 )**

| Parameter                      | Symbol         | Rating  | Unit |
|--------------------------------|----------------|---------|------|
| Collector to Base Voltage      | $V_{CBO}$      | -300    | V    |
| Collector to Emitter Voltage   | $V_{CEO}$      | -300    | V    |
| Emitter to Base Voltage        | $V_{EBO}$      | -5.0    | V    |
| Collector Current – Continuous | $I_C$          | -500    | mA   |
| Collector Power Dissipation    | $P_C(T_c=25 )$ | 20      | W    |
| Junction Temperature           | $T_j$          | 150     |      |
| Storage Temperature Range      | $T_{stg}$      | -55~150 |      |

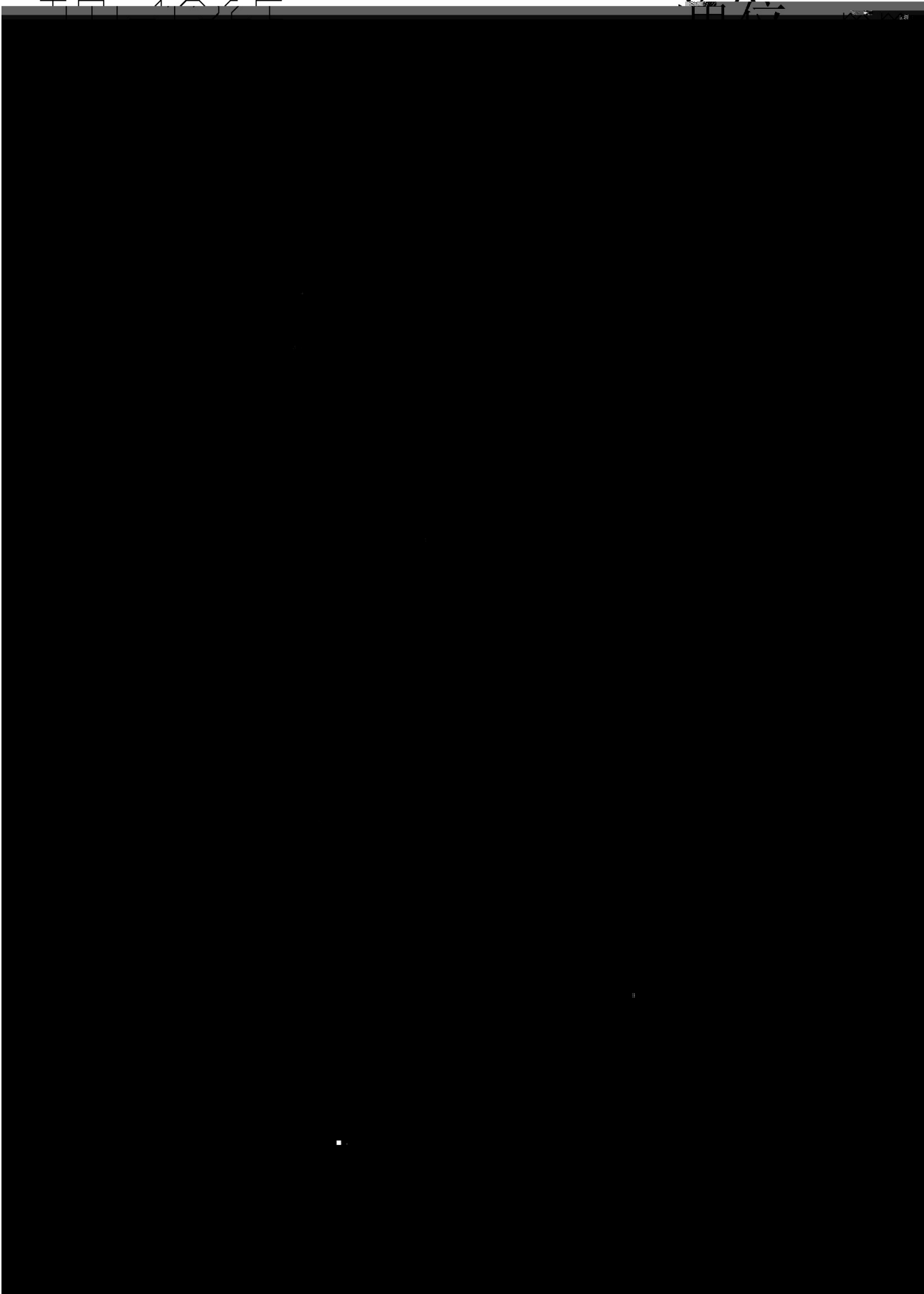
**/ Electrical Characteristics(Ta=25 )**

| Parameter                              | Symbol    | Test Conditions           | Min  | Typ | Max  | Unit |
|----------------------------------------|-----------|---------------------------|------|-----|------|------|
| Collector to Emitter Breakdown Voltage | $V_{CEO}$ | $I_C=-1.0mA$ $I_B=0$      | -300 |     |      | V    |
| Collector Cut-Off Current              | $I_{CBO}$ | $V_{CB}=-300V$ $I_E=0$    |      |     | -100 | A    |
| Emitter Cut-off Current                | $I_{EBO}$ | $V_{BE}=-3.0V$ $I_C=0$    |      |     | -100 | A    |
| DC Current Gain                        | $h_{FE}$  | $V_{CE}=-10V$ $I_C=-50mA$ | 30   |     | 240  |      |

/ Electrical Characteristic Curve

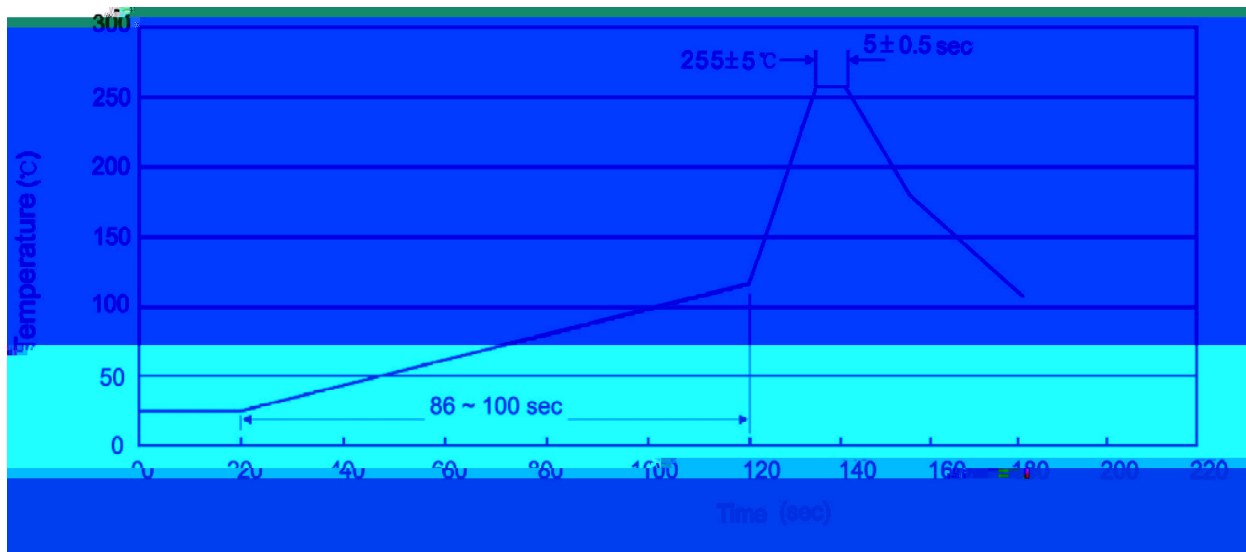


/ Package Dimensions





( ) / Temperature Profile for Dip Soldering(Pb-Free)



Note:

- |   |       |     |           |                                         |                                      |
|---|-------|-----|-----------|-----------------------------------------|--------------------------------------|
| 1 | 25    | 150 | 60        | 90sec;                                  | 1.Preheating:25~150 , Time:60~90sec. |
| 2 | 255±5 |     | 5±0.5sec; | 2.Peak Temp.:255±5 , Duration:5±0.5sec. |                                      |
| 3 |       | 2   | 10        | /sec.                                   | 3. Cooling Speed: 2~10 /sec.         |

/ Resistance to Soldering Heat Test Conditions

270±5      10±1 sec.      Temp.:270±5      Time:10±1 sec

/ Packaging SPEC.

/ BULK

| Package Type<br>封装形式 | Units 包装数量 |      |     |     |     | Dimension 包装尺寸 (unit: mm <sup>3</sup> ) |   |   |
|----------------------|------------|------|-----|-----|-----|-----------------------------------------|---|---|
|                      | 只 套管       | 套管 盒 | 只 盒 | 盒 箱 | 只 箱 | 套管                                      | 盒 | 箱 |
|                      |            |      |     |     |     |                                         |   |   |

/ TUBE

| Package Type<br>封装形式 | Units 包装数量 |      |     |     |     | Dimension 包装尺寸 (unit: mm <sup>3</sup> ) |   |   |
|----------------------|------------|------|-----|-----|-----|-----------------------------------------|---|---|
|                      | 只 套管       | 套管 盒 | 只 盒 | 盒 箱 | 只 箱 | 套管                                      | 盒 | 箱 |
|                      |            |      |     |     |     |                                         |   |   |