# 2SD600K

Rev.E Mar.-2016

DATA SHEET

## / Descriptions

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

## / Features

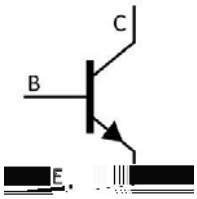
$V_{CEO}$ , 2SB631K

High $V_{CEO}$ ,high current, low $V_{CE(sat)}$ and good linearity of $h_{FE}$; complementary pair with 2SB631K.

## / Applications

Low frequency power amplifier, medium speed switching applications.

## / Equivalent Circuit

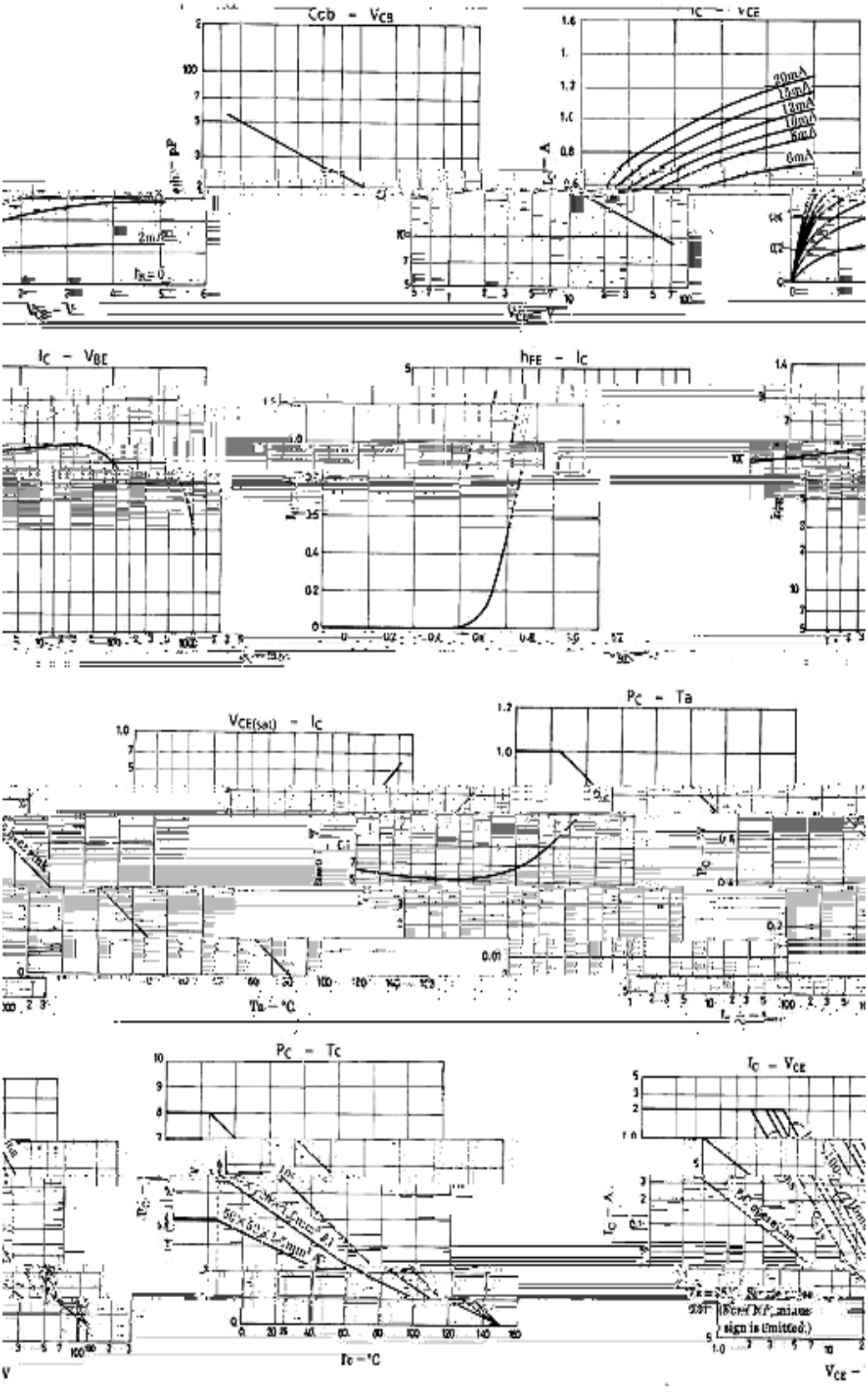


PIN1 Emitter PIN 2 Collector PIN 3 Base

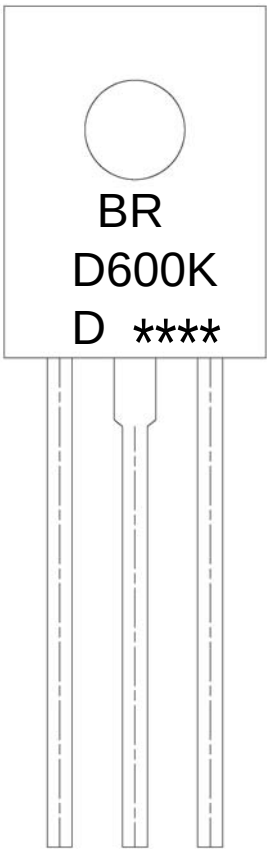
## / $h_{FE}$ Classifications & Marking

| Parameter | Symbol | Rating | Unit |
|---|---|---|---|
| Collector to Base Voltage | V | 120 | V |
| Collector to Emitter Voltage | $V_{CEO}$ | 120 | V |
| Emitter to Base Voltage | $V_{EBO}$ | 5.0 | V |
| Collector Current - Continuous | I | 1.0 | A |
| Peak Collector Current | $_{CP}$ | 2.0 | A |
| Collector Power Dissipation | $P_C$ | 1.0 | W |
| Junction Temperature | $T_j$ | 150 | |
| Storage Temperature Range | $T_{stg}$ | -55 150 | |

## / Electrical Characteristic Curve



## / Marking Instructions




BR

D600K

D: $h_{FE}$

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Note:

| | |
|---|---|
| BR: | Company Code |
| D600K: | Product Type. |
| D: | $h_{FE}$ Classifications Symbol |
| ****: | Lot No. Code, code change with Lot No. |