## / Descriptions

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

## / Features

, , , 2SD1818

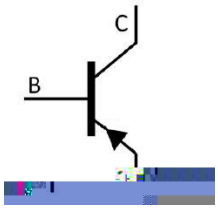
Low $V_{CE(sat)}$,large current, high $P_C$, complementary to 2SD1818.

## / Applications

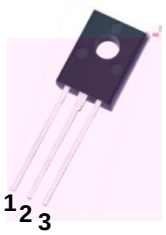
DC-DC

It is suitable for DC-DC converter, or driver of solenoid or motor.

## / Equivalent Circuit




## / Pinning




PIN1 Emitter PIN 2 Collector PIN 3 Base

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

| $h_{FE}$ Classifications Symbol | M | L | K |
|---|---|---|---|
| $h_{FE}$ Range | 100 200 | 160 320 | 200 400 |

| Parameter | Symbol | Rating | Unit |
|---|---|---|---|
| Collector to Base Voltage | $V_{CBO}$ | -60 | V |
| Collector to Emitter Voltage | $V_{CEO}$ | -60 | V |
| Emitter to Base Voltage | $V_{EBO}$ | -7.0 | V |
| Collector Current - Continuous | $I_C$ | -3.0 | A |
| Peak Collector Current – Continuous | $I_{CM}$ | -5.0 | A |
| Base Current - Continuous | $I_B$ | -0.5 | A |
| Collector Power Dissipation | $P_C$ | 1.3 | W |
| Collector Power Dissipation | $P_C$(Tc=25 ) | 10 | W |
| Junction Temperature | $T_j$ | 150 | |
| Storage Temperature Range | $T_{stg}$ | -55 150 | |

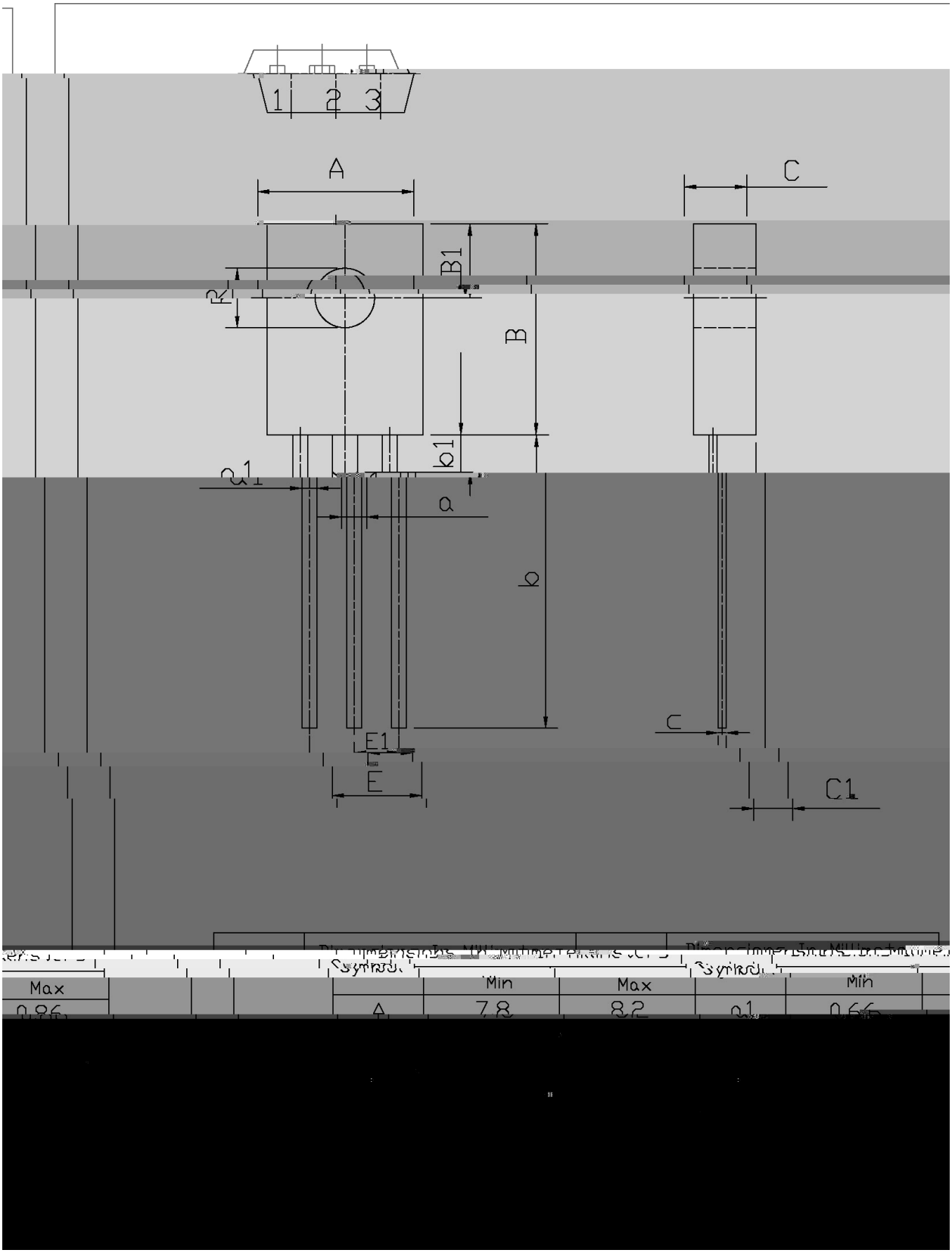
| Parameter | Symbol | Test Conditions | Min | Typ | Max | Unit |
|---|---|---|---|---|---|---|
| Collector Cut-Off Current | $I_{CBO}$ | $V_{CB}$=-60V $I_E$=0 | | | -10 | A |
| Emitter Cut-Off Current | $I_{EBO}$ | $V_{EB}$=-7V $I_C$=0 | | | -10 | A |
| | $h_{FE(1)}$ | $V_{CE}$=-2V $I_C$=-600mA | 100 | | 400 | |

DC Current Gain

**2SB1217**

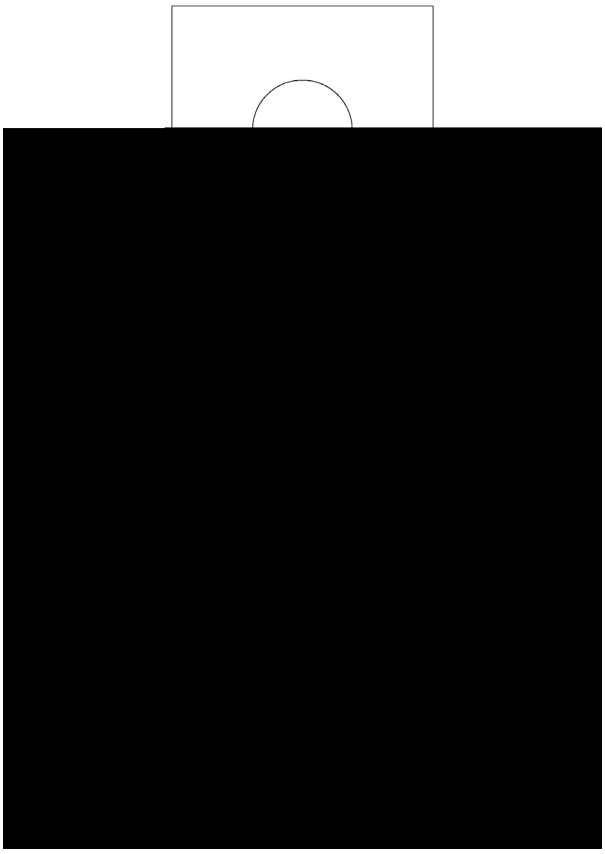
## / Package Dimensions

TO-126T 单位：mm




| Symbol | Min | Max | Symbol | Min |
|---|---|---|---|---|
| | | | | |
| Max | | | | |
| 0.86 | A | 7.8 | 8.2 | a1 | 0.66 |

## / Marking Instructions



BR

B1217

M: $h_{FE}$

****

Note:

| | |
|---|---|
| BR: | Company Code |
| B1217: | Product Type. |
| M: | $h_{FE}$ Classifications Symbol |
| ****: | Lot No. Code, code change with Lot No. |