## / Descriptions

TO-263 PNP Silicon PNP transistor in a TO-263 Plastic Package.

## / Features

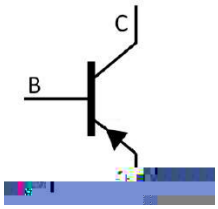
- - MJE15036B

High DC current gain, High $V_{CEO}$, High $f_T$. Complementary pair with MJE15036B.

## / Applications

Designed for us as high-frequency drivers in audio amplifiers.

## / Equivalent Circuit




## / Pinning




PIN1 Base PIN 2 4 Collector PIN 3 Emitter

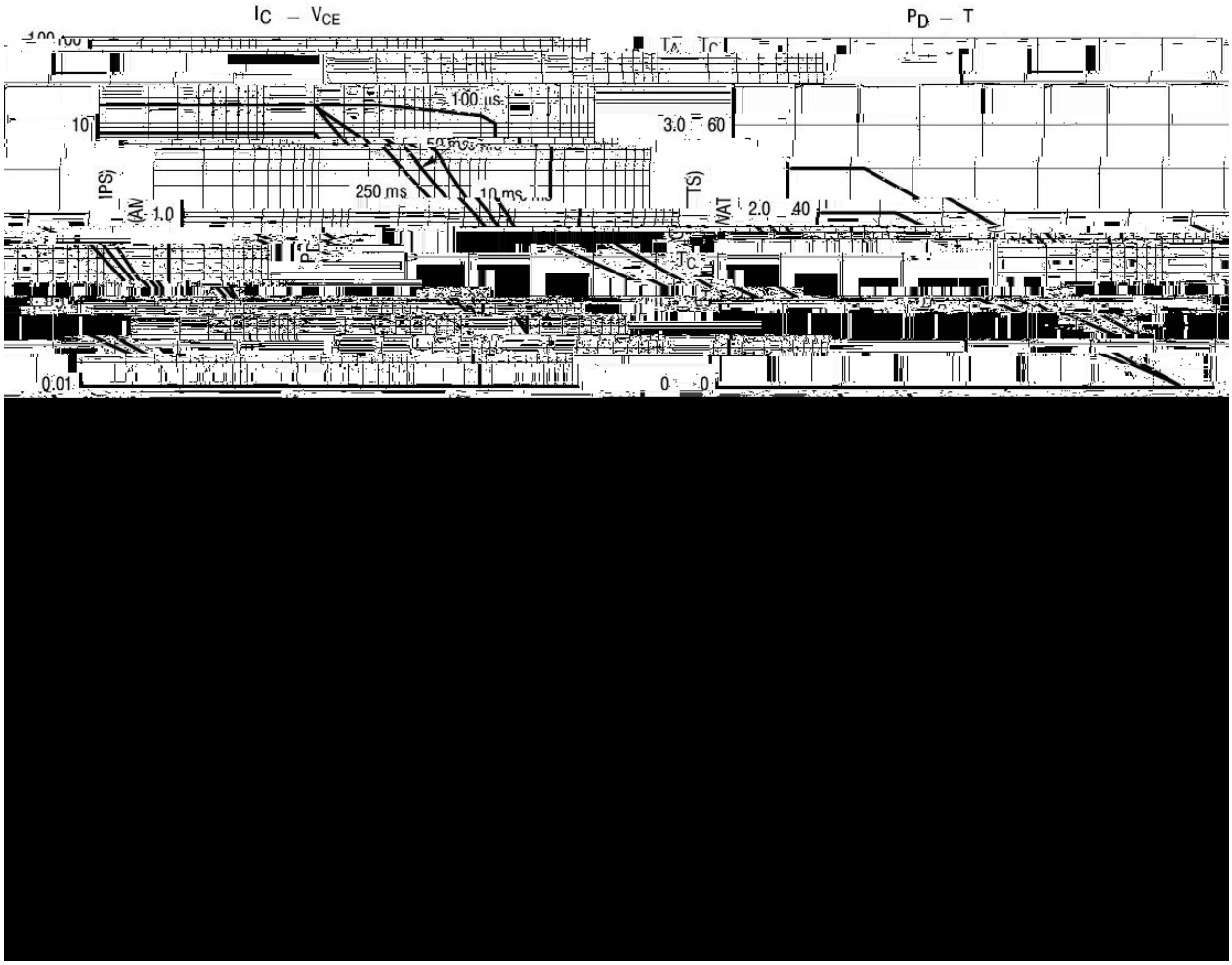
## / $h_{FE}$ Classifications & Marking

See Marking Instructions.

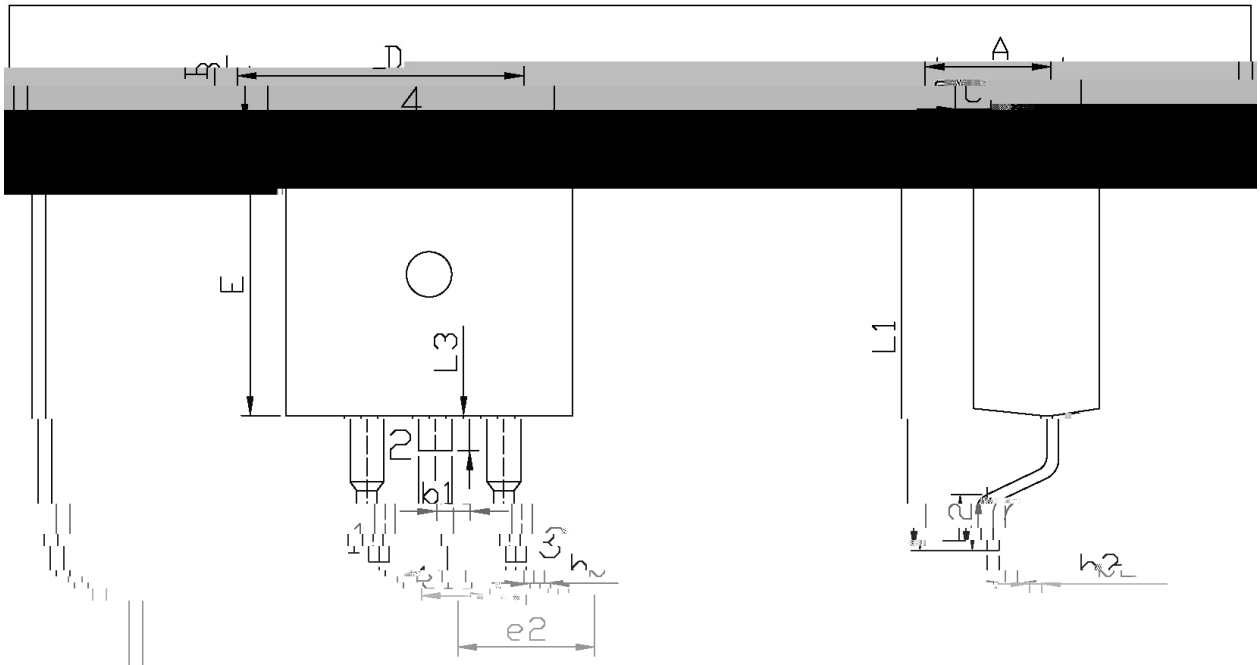
| Parameter | Symbol | Rating | Unit |
|---|---|---|---|
| Collector to Base Voltage | $V_{CBO}$ | -250 | V |
| Collector to Emitter Voltage | $V_{CEO}$ | -250 | V |
| Emitter to Base Voltage | $V_{EBO}$ | -5 | V |
| Collector Current - Continuous | $I_C$ | -8 | A |
| Base current | $I_B$ | -2 | A |
| Total power dissipation | $P_D$ | 2 | W |
| Total power dissipation | $P_D$(Tc=25 ) | 50 | W |
| Junction Temperature | $T_j$ | 150 | |
| Storage Temperature Range | $T_{stg}$ | -65 150 | |
| Thermal Resistance Junction-case | $R_{\theta JC}$ | 2.5 | /W |
| Thermal Resistance Junction-ambient | $R_{\theta JA}$ | 62.5 | /W |

| Parameter | Symbol | Test Conditions | Min | Typ | Max | Unit |
|---|---|---|---|---|---|---|
| Collector to Emitter Breakdown Voltage* | *$V_{CEO}$ | $I_C$=-10mA $I_B$=0 | 250 | | | V |
| Collector Cut-Off Current | $I_{CBO}$ | $V_{CB}$=-250V $I_E$=0 | | | -1 | μA |

## / Electrical Characteristic Curve



## / Package Dimensions

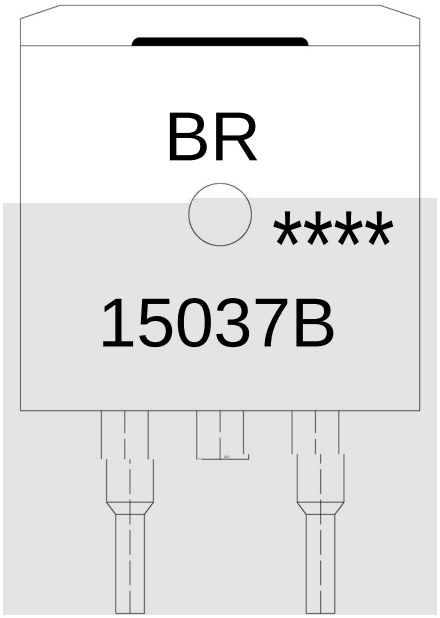



单位：mm

| Dimensions In Millimeters | | Dimensions In Millimeters | |
|---|---|---|---|
| Min | Max | Min | Max |
| A | 4.30 | 4.70 | L | 9.00 | 9.40 |
| B | 1.00 | 1.40 | e1 | 2.34 | 2.74 |

TO-263

## / Marking Instructions




BR

15037B

****

Note:

| | |
|---|---|
| BR: | Company Code |
| 15037B: | Product Type. |
| ****: | Lot No. Code, code change with Lot No. |