## / Descriptions

TO-252 NPN Silicon NPN transistor in a TO-252 Plastic Package.

## / Features

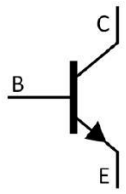
BRMJD42C

Complement to BRMJD42C,HF product.

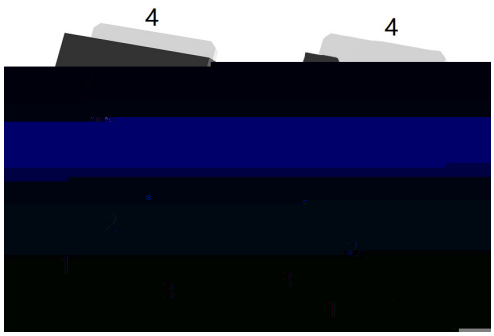
## / Applications

Medium power linear switching applications.

## / Equivalent Circuit




## / Pinning




PIN1 Base PIN 2,4 Collector PIN 3 Emitter

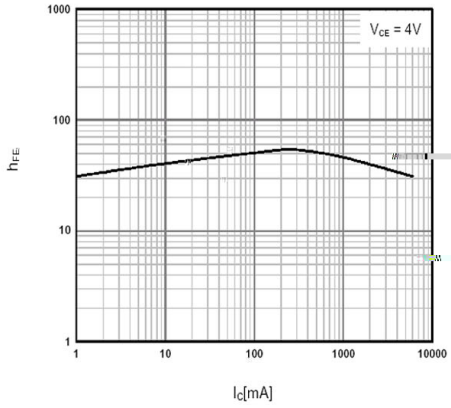
## / $h_{FE}$ Classifications & Marking

See Marking Instructions.

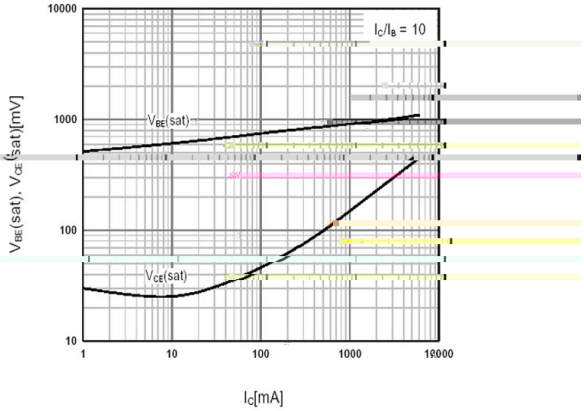
| Symbol | Rating | Unit |
|---|---|---|
| $V_{CBO}$ | 100 | V |
| $V_{CEO}$ | 100 | V |
| $V_{EBO}$ | 5.0 | V |

## / Electrical Characteristic Curve

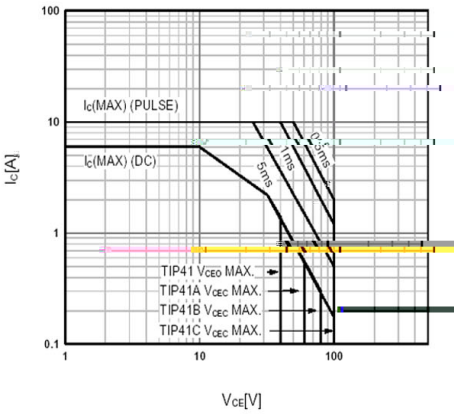
hFE - Ic



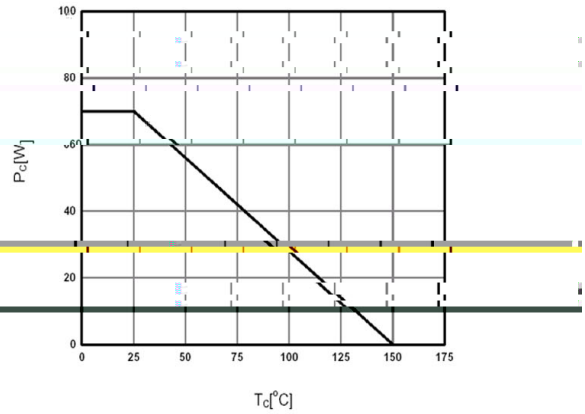

VBE(sat), VCE(sat) - Ic



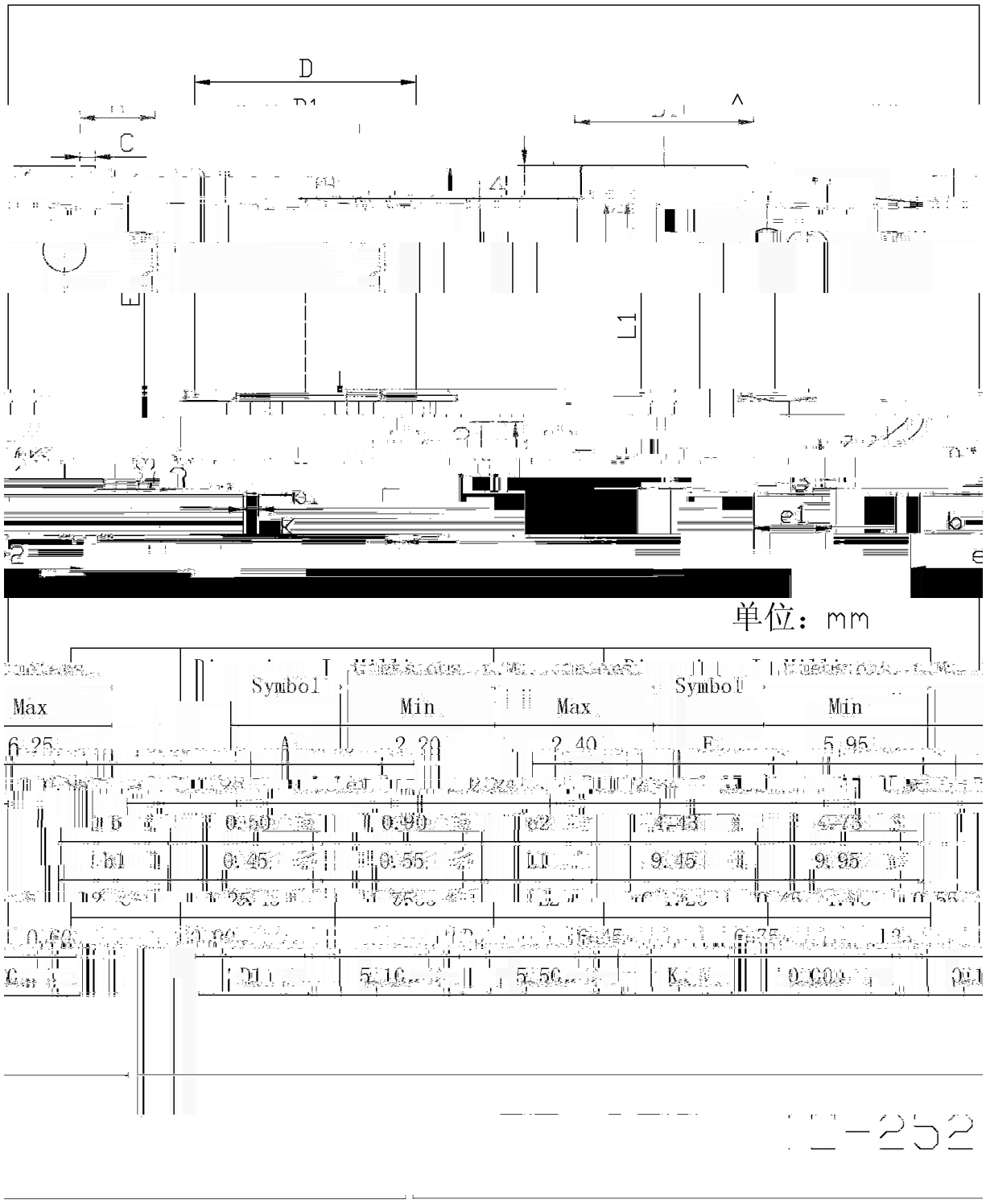

Ic - VCE




PC - TC



## / Package Dimensions




| Symbol | Min | Max | Symbol | Min | Max |
|---|---|---|---|---|---|
| A | 2.20 | 2.40 | E | 5.95 | 6.25 |
| b | 0.50 | 0.90 | e2 | 4.43 | 4.73 |
| b1 | 0.45 | 0.55 | L1 | 9.45 | 9.95 |
| c | 0.40 | 0.60 | L2 | 1.40 | 1.70 |
| D1 | 5.10 | 5.50 | K | 0.000 | 0.200 |