

## / Descriptions

TO-220          NPN          Silicon NPN transistor in a TO-220 Plastic Package.

## / Features

$V_{CE(sat)}$  ,  $h_{FE}$

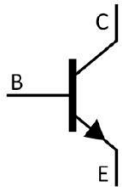
Low saturation voltage, excellent  $h_{FE}$  linearity and high  $h_{FE}$ .

## / Applications

3

Output stage of 3 watts audio amplifier, voltage regulator, DC-DC converter and relay driver.

## / Equivalent Circuit



## / Pinning



1  
2  
3

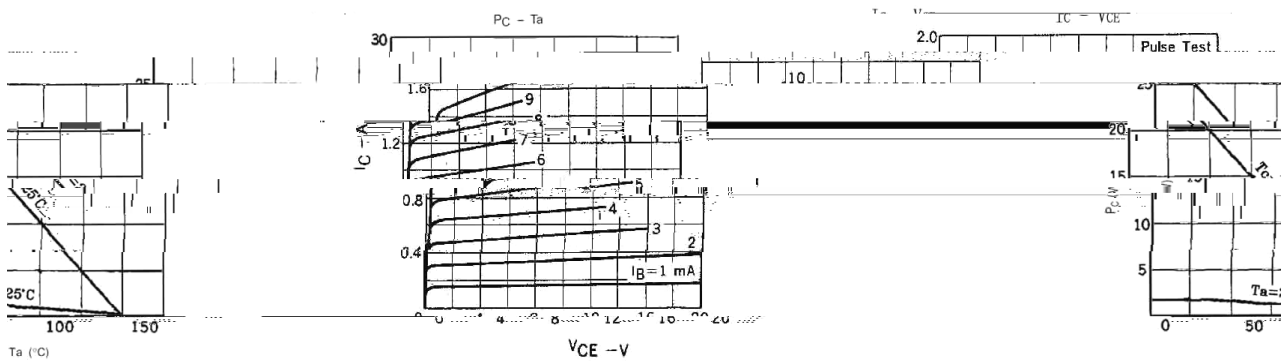
PIN1   Base          PIN 2   Collector          PIN 3   Emitter

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

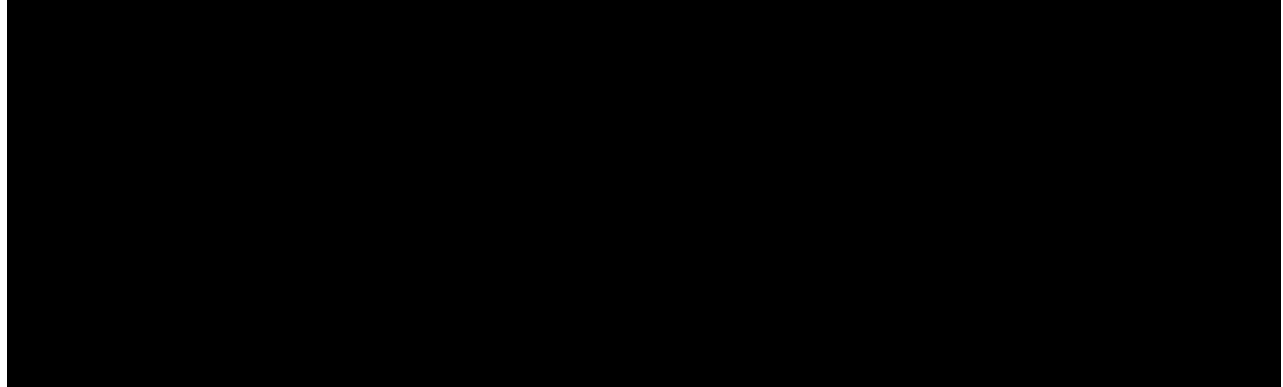
| $h_{FE}$ Classifications<br>Symbol | R        | Q         | P         | E         |
|------------------------------------|----------|-----------|-----------|-----------|
| $h_{FE}$ Range                     | 60   120 | 100   200 | 160   320 | 200   400 |

| Parameter | Symbol |
|-----------|--------|
|-----------|--------|

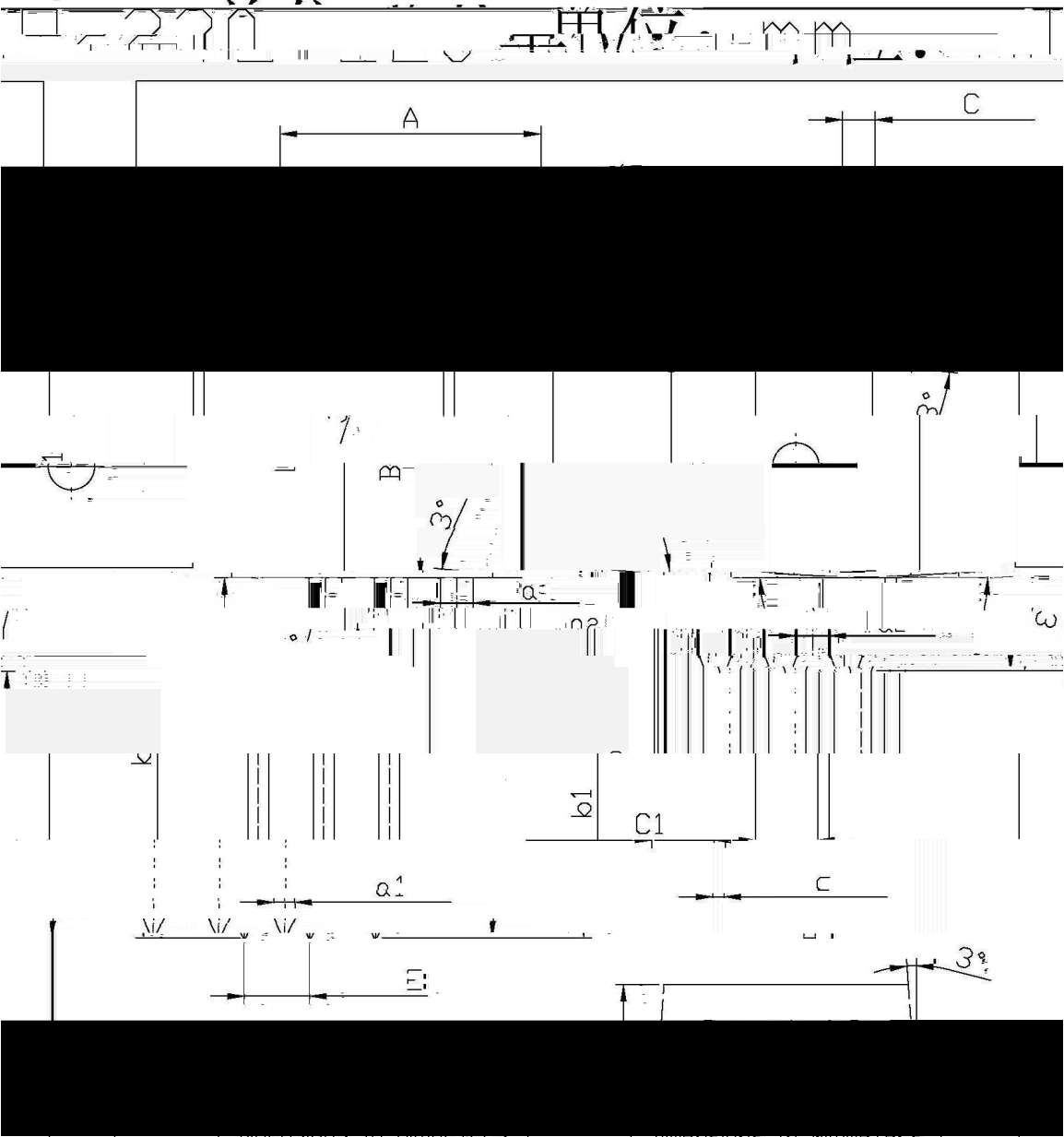
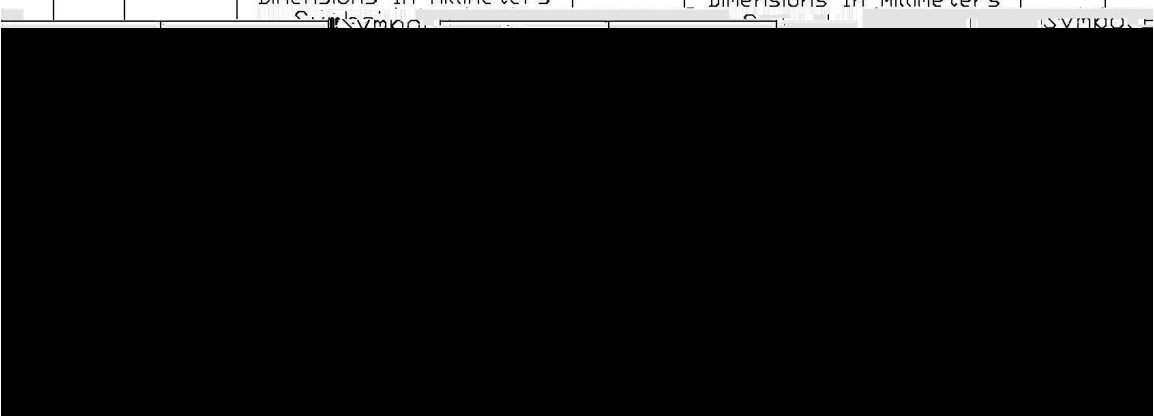
**/ Electrical Characteristic Curve**



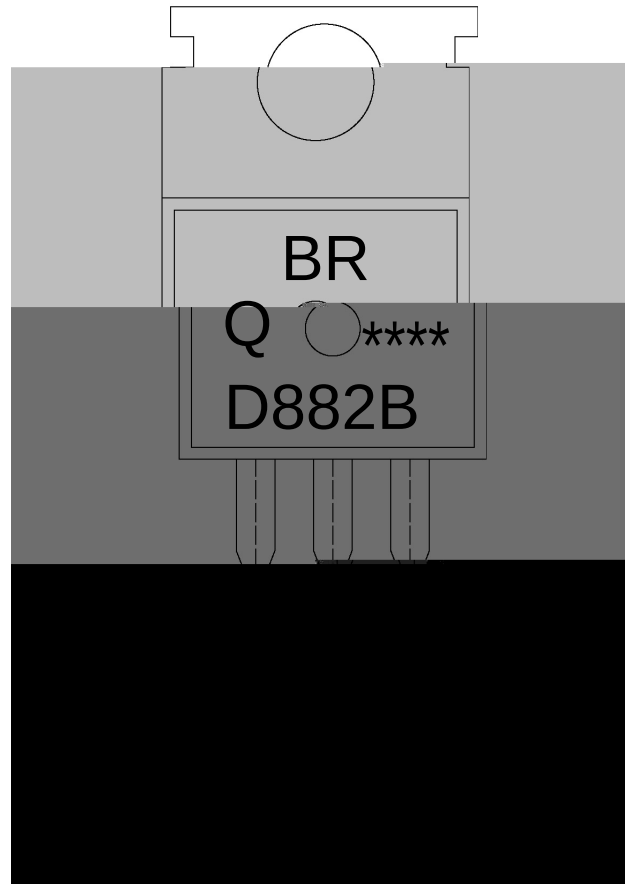
$V_{CE(sat)} - I_C$   $h_{FE} - I_C$   $V_{BE} - I_C$   
 $V_{CE(sat)} - I_C$   $V_{BE} - I_C$



/ Package Dimensions



/ Marking Instructions



BR

D882B

Q:  $h_{FE}$

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Note:

BR: Company Code

D882B: Product Type.

Q:  $h_{FE}$  Classifications Symbol

\*\*\*\*: Lot No. Code, code change with Lot No.

