

/ 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} .

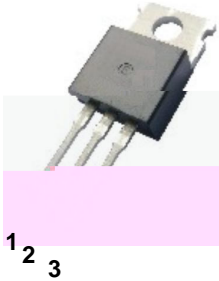
/ Applications

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

/ Equivalent Circuit



/ Pinning



PIN1 Base PIN 2 Collector PIN 3 Emitter

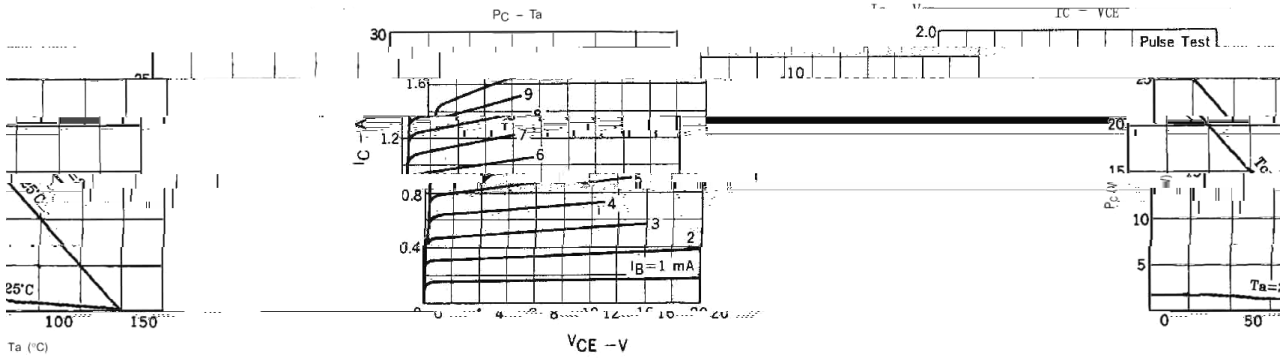
/ h_{FE} Classifications & Marking

h_{FE} Classifications Symbol	R	Q	P	E
h_{FE} Range	60 120	100 200	160 320	200 400

Parameter

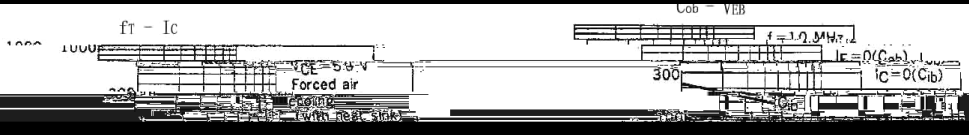
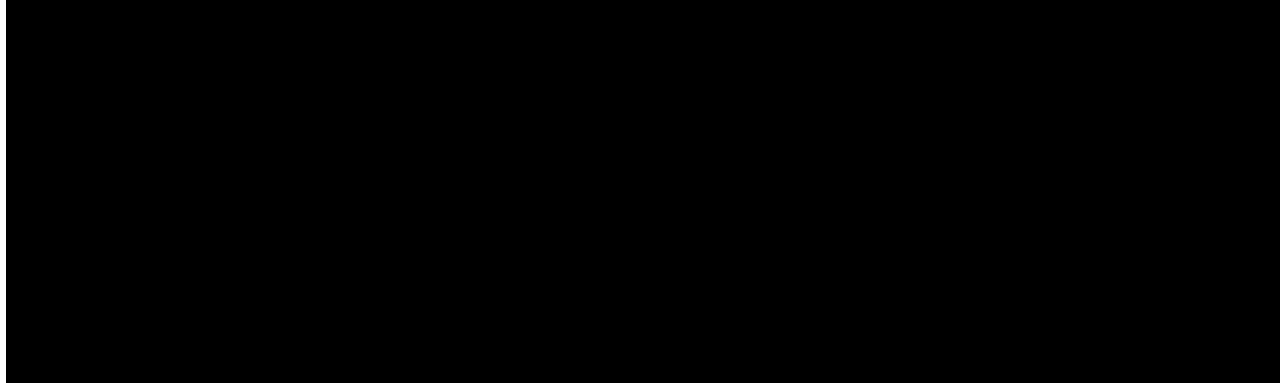
Symbol

/ Electrical Characteristic Curve



hFE - IC
VBE - IC

VCE(sat) - IC



/ Package Dimensions



Symbol	Dimensions in Millimeter (mm)	Dimensions in Millimeter (mm)
A	10.0	10.0
B	10.0	10.0
C	10.0	10.0
k1	1.0	1.0
C1	1.0	1.0

/ Marking Instructions



BR

D882B

Q: h_{FE}

Note:

BR: Company Code

D882B: Product Type.

Q: h_{FE} Classifications Symbol

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

