

TR136

Rev. H Oct.-2018

/ Descriptions

TO-220

NPN

Silicon NPN transistor in a TO-220 Plastic Package.

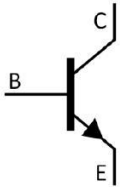
/ Features

High voltage, high speed switching, wide SOA.

/ Applications

Fluorescent lamp, electronic ballast, electronic transformer.

/ Equivalent Circuit



/ Pinning



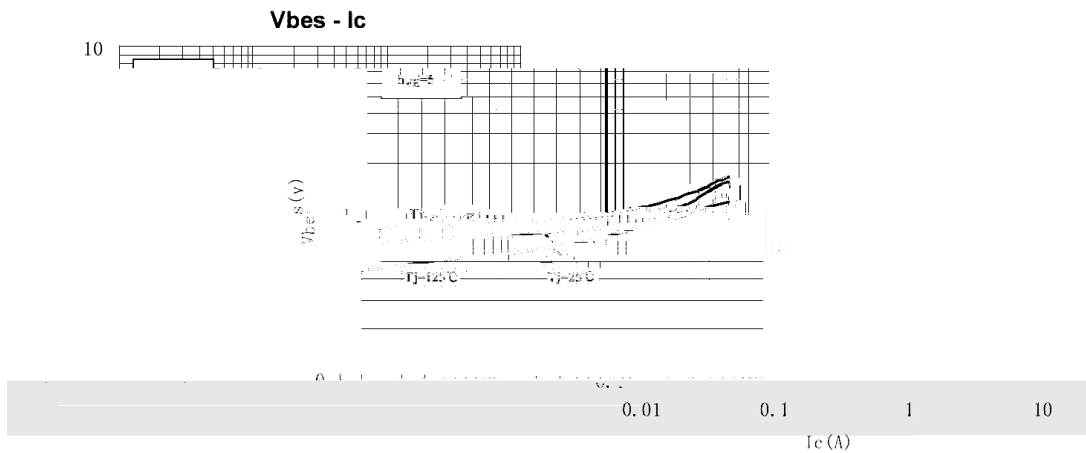
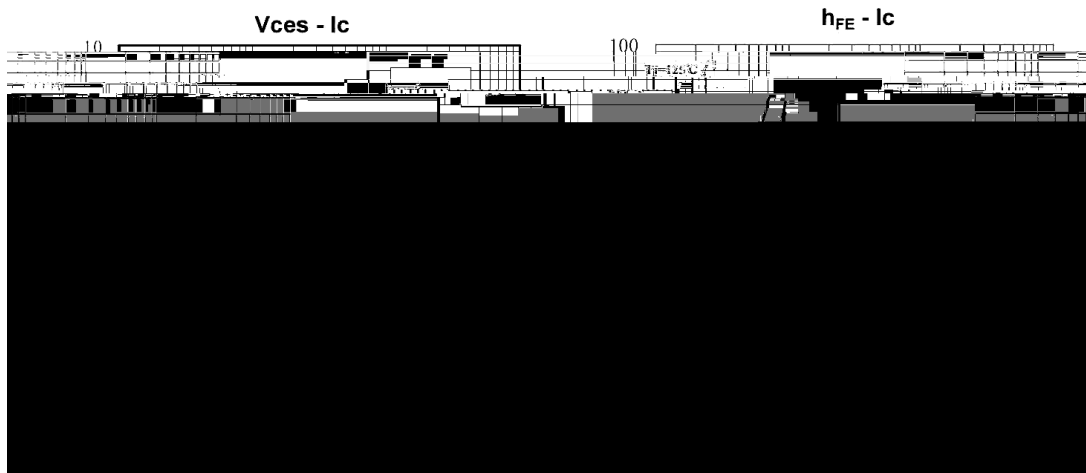
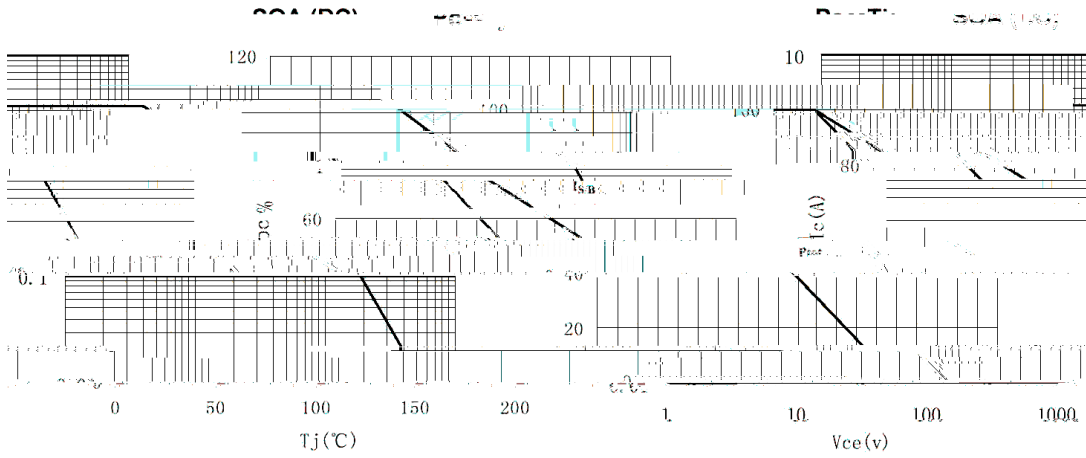
PIN1 Base PIN 2 Collector PIN 3 Emitter

/ h_{FE} Classifications & Marking

See Marking Instructions.

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	700	V
Collector to Emitter Voltage	V_{CEO}		

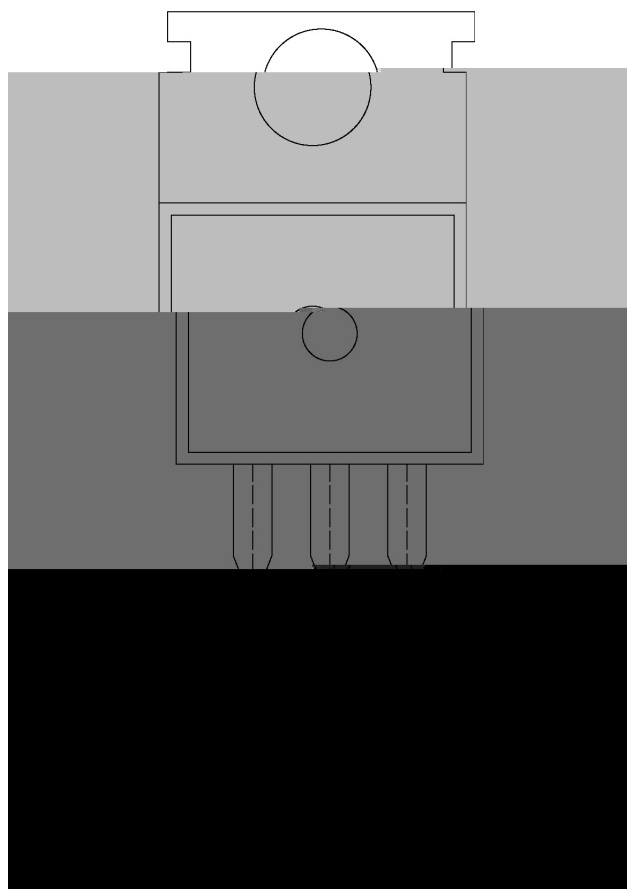
/ Electrical Characteristic Curve



/ Package Dimensions

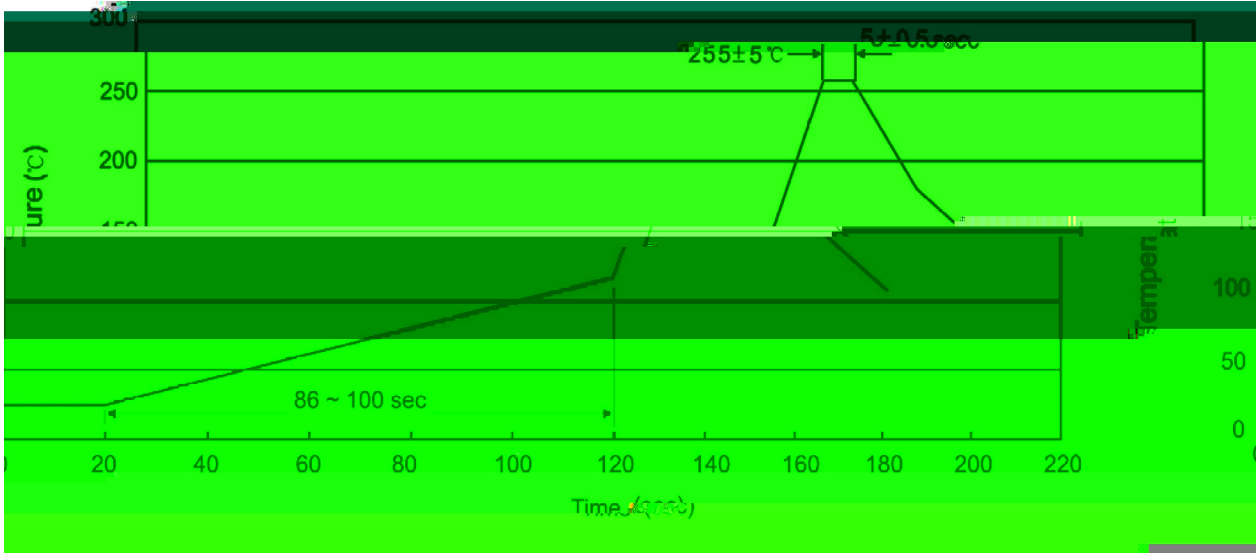


/ Marking Instructions



BR

() / Temperature Profile for Dip Soldering(Pb-Free)



- | | | | | | | |
|---|-------|-----|-------|--------|-------|--|
| 1 | 25 | 150 | 60 | 90sec; | Note: | 1.Preheating:25~150 , Time:60~90sec. |
| 2 | 255±5 | | 5±0.5 | sec; | | 2.Peak Temp.:255±5 , Duration:5± 0.5sec. |
| 3 | | 2 | 10 | /sec. | | 3. Cooling Speed: 2~10 /sec. |

/ Resistance to Soldering Heat Test Conditions

270±5 10± 1 sec. Temp.:270±5 Time:10±1 sec

/ Packaging SPEC.

/ BULK

Package Type	Units					Dimension (unit mm ³)		