

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



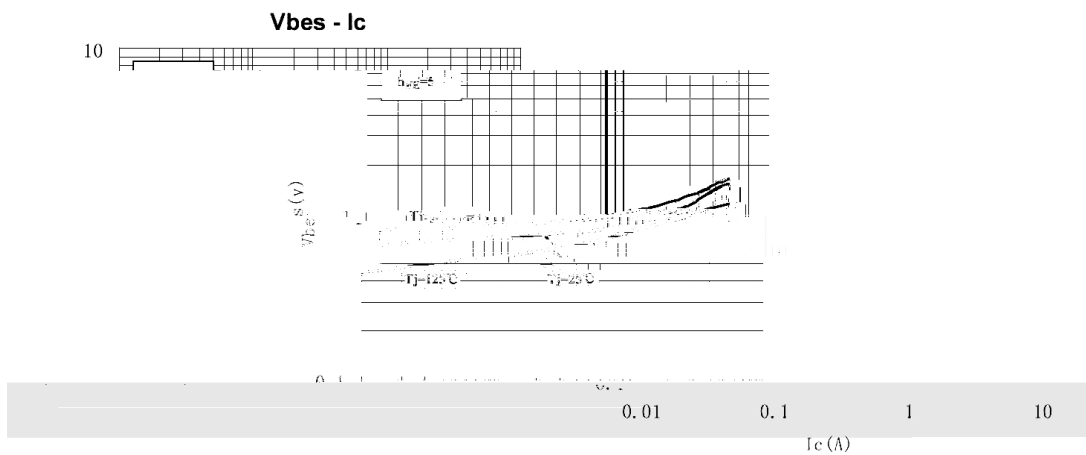
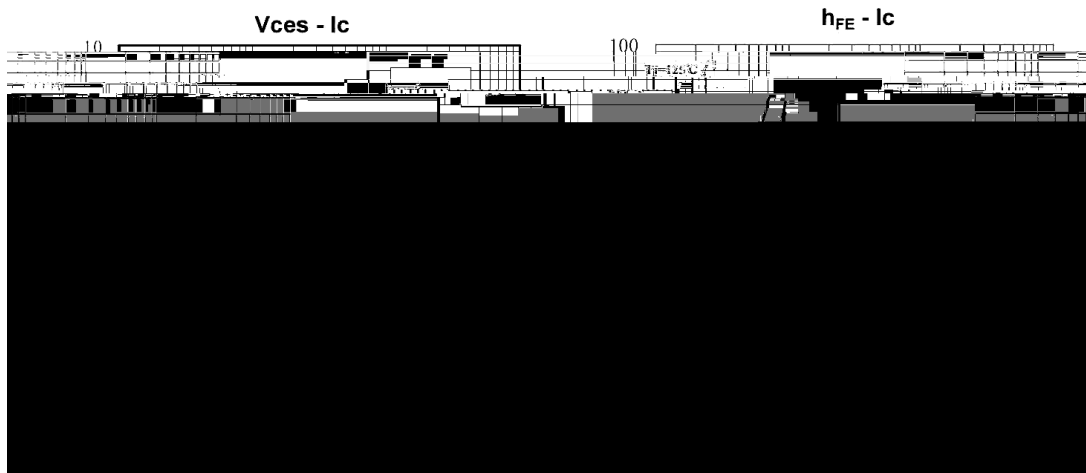
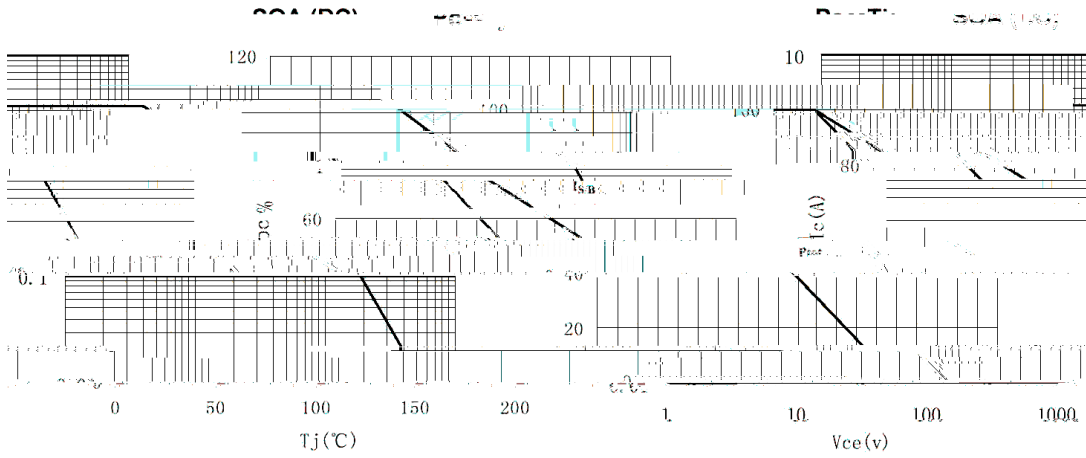
PIN1 Base PIN 2 Collector PIN 3 Emitter

/ 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

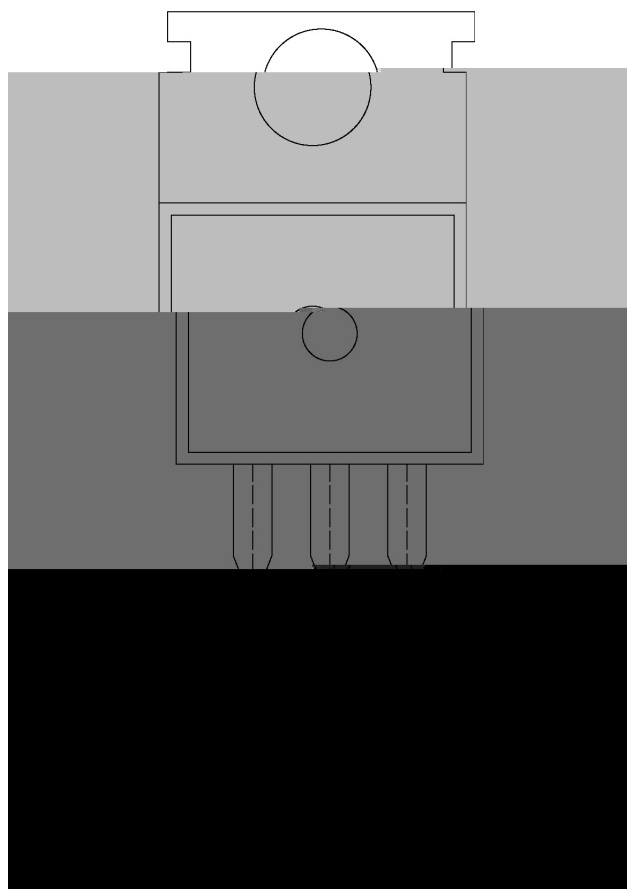


/ Package Dimensions



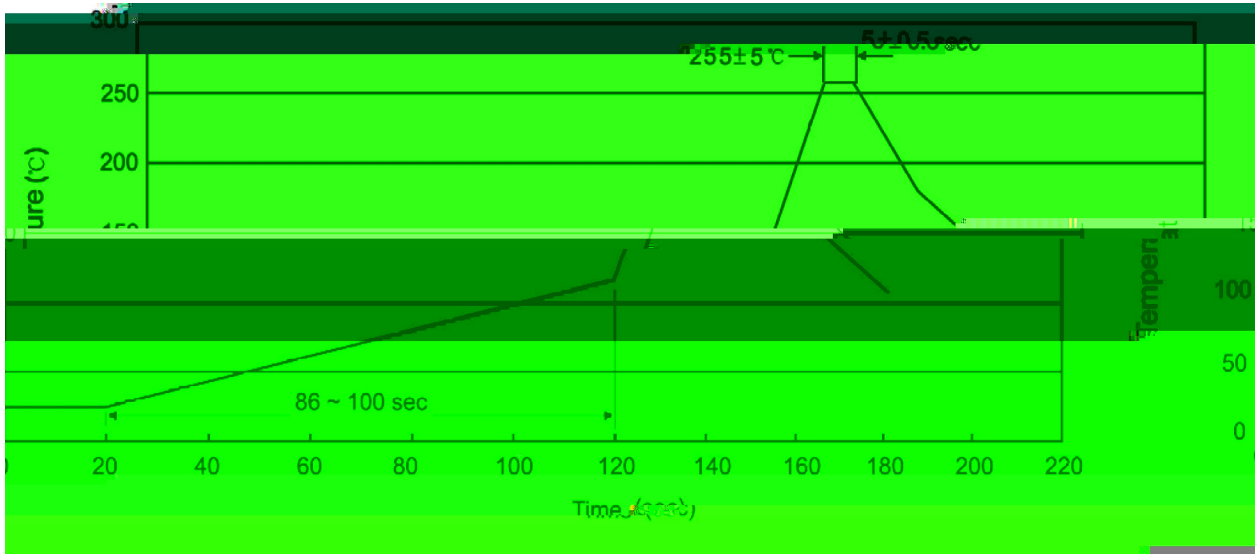
Symbol	Dimensions in Millimeter (mm)	Dimensions in Millimeter (mm)
A	10.0	10.0
B	10.0	10.0
C	10.0	10.0
a	10.0	10.0
a1	10.0	10.0
b1	10.0	10.0
C1	10.0	10.0
E	10.0	10.0

/ Marking Instructions



BR

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



Note:

- | | | | | | |
|---|-------|-----|-------|----------|---|
| 1 | 25 | 150 | 60 | 90sec; | 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)		