

/ Descriptions

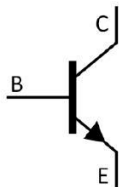
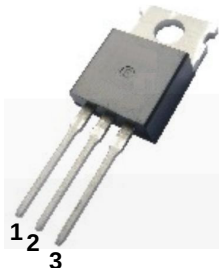
Silicon NPN transistor in a TO-220 Plastic Package.

/ 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.

TR136

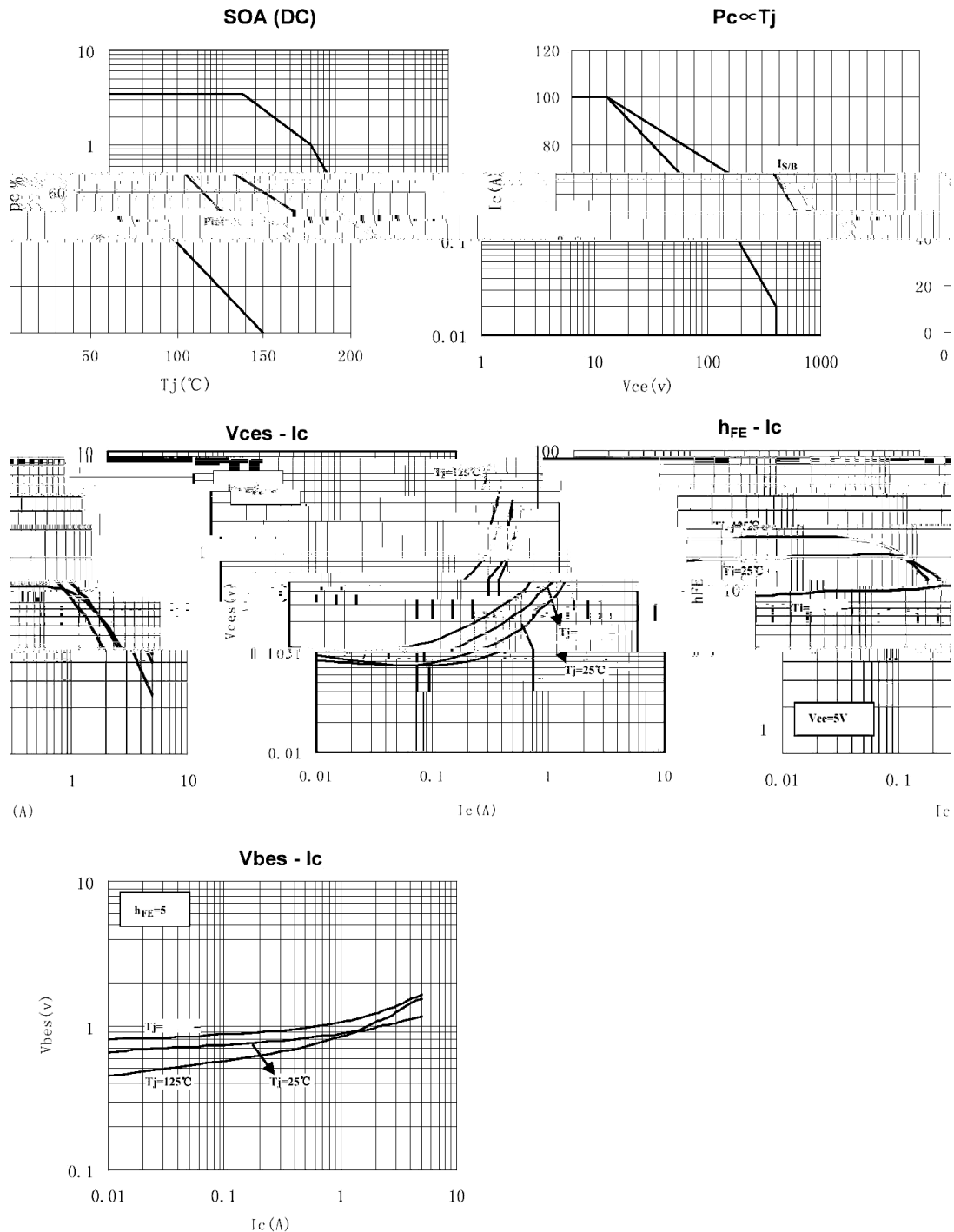
Rev. H Oct.-2018



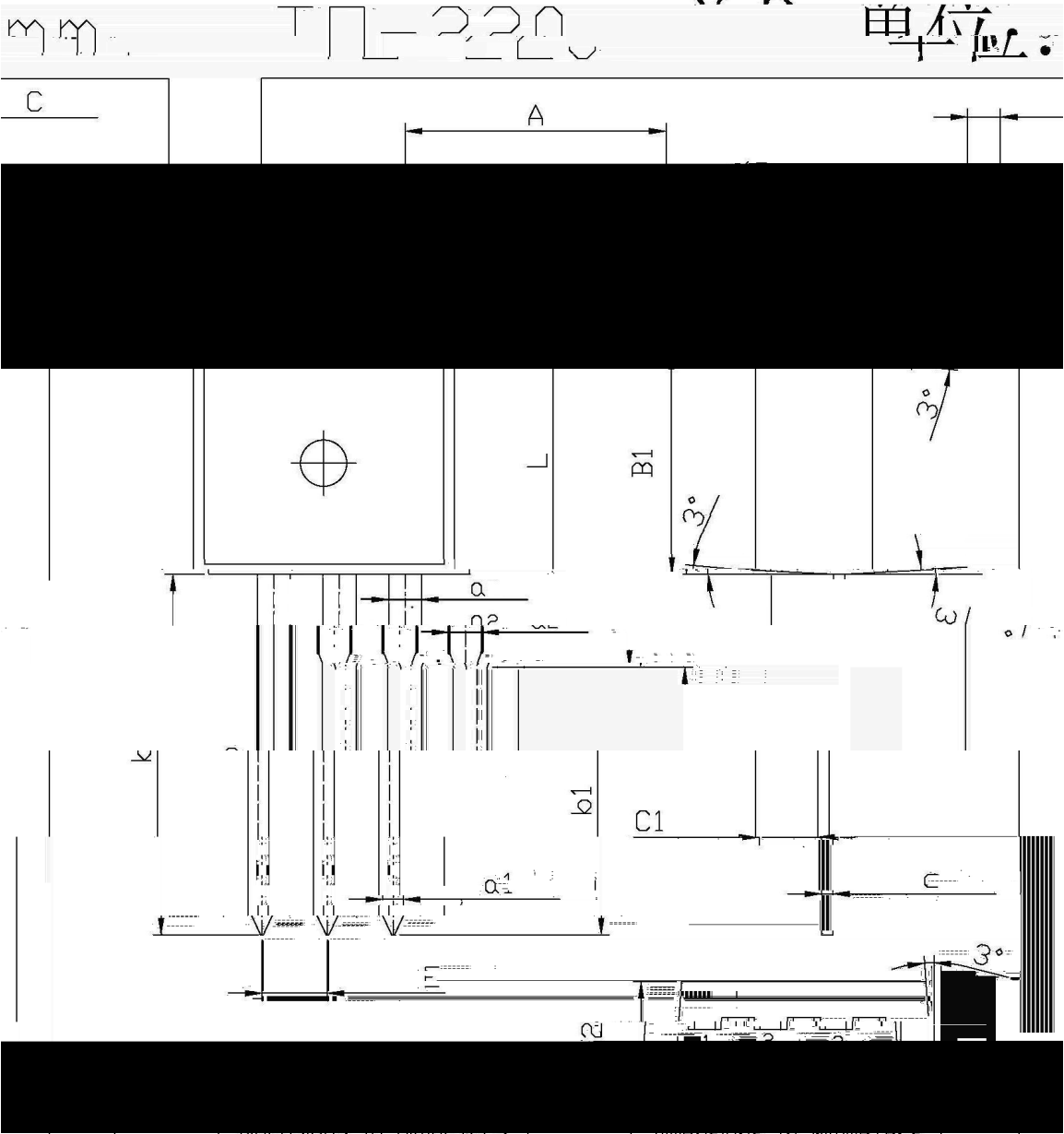
DATA SHEET

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

/ Electrical Characteristic Curve

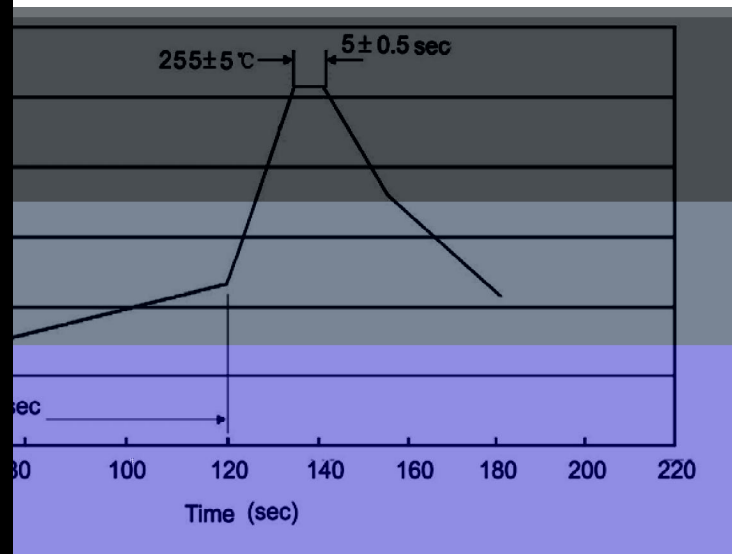


/ Package Dimensions



Symbol	Dimensions in Millimeters		Symbol	Dimensions in Millimeters		
	Min	Max		Min	Max	
A	15.7	16.1	C1	10.2	12	14
B1	3.56	3.64	B	6.3	6.7	
C	12.6	13.6	C	12.6	13.6	

Profile for Dip Soldering(Pb-Free)



Note:

1. Preheating: $25 \sim 150^\circ\text{C}$, Time: $60 \sim 90 \text{ sec}$.
2. Peak Temp.: $255 \pm 5^\circ\text{C}$, Duration: $5 \pm 0.5 \text{ sec}$.
3. Cooling Speed: $2 \sim 10^\circ\text{C/sec}$.

Soldering Heat Test Conditions

Temp.: $270 \pm 5^\circ\text{C}$

Time: $10 \pm 1 \text{ sec}$

		Dimension		(unit: mm^3)