

/ Descriptions

TO-3P NPN Silicon NPN transistor in a TO-3P Plastic Package.

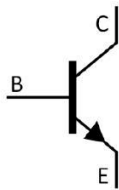
/ Features

High breakdown voltage, high speed, wide SOA.

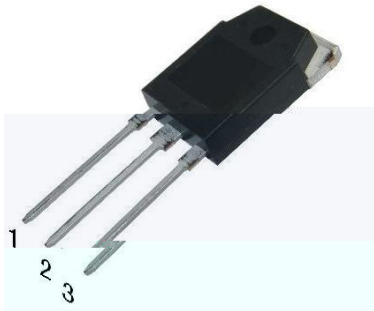
/ Applications

CRT
Horizontal deflection output for TV and CRT monitor.

/ Equivalent Circuit



/ Pinning



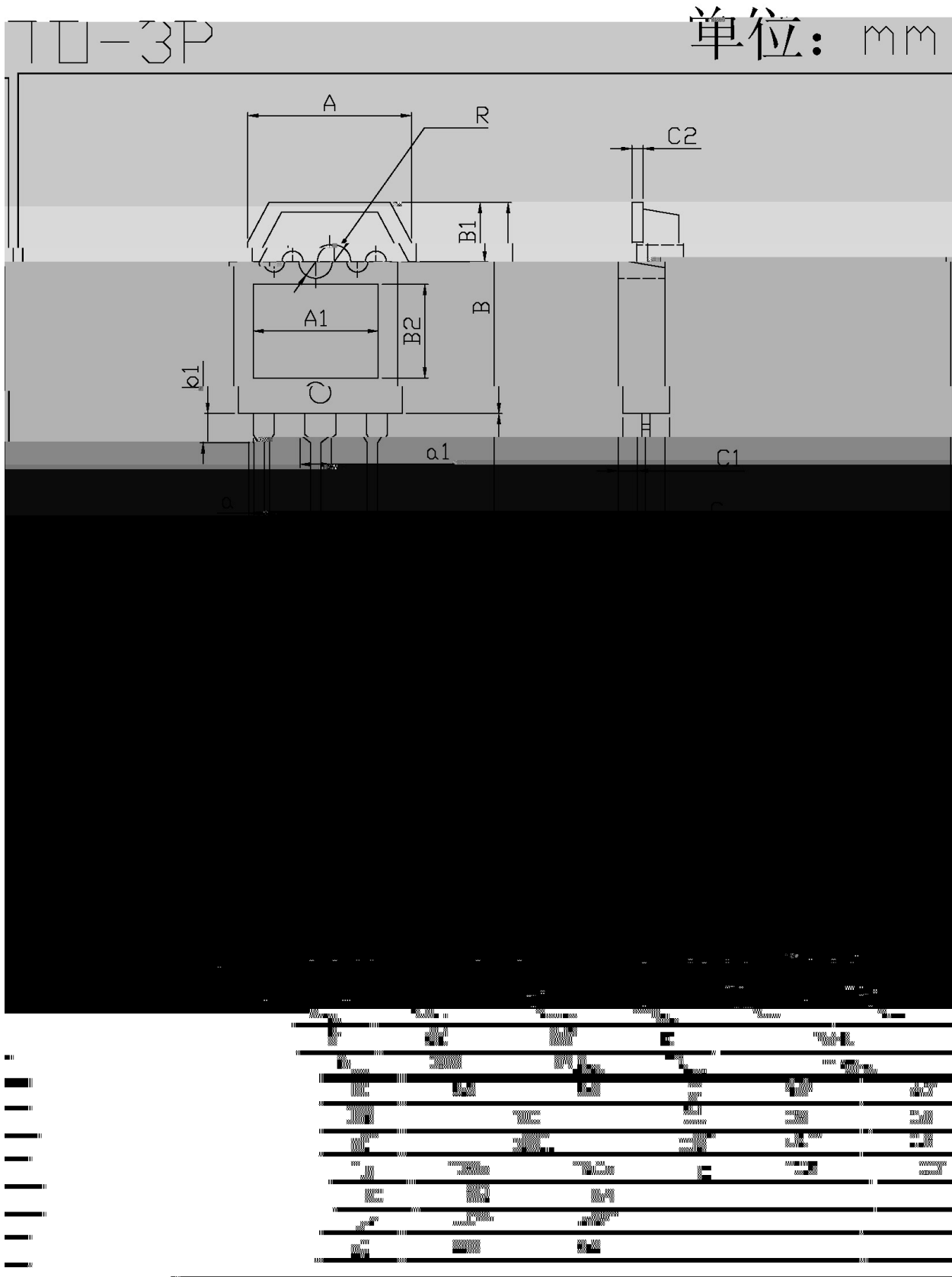
PIN1 Base PIN 2 Collector PIN 3 Emitter

/ h_{FE} Classifications & Marking

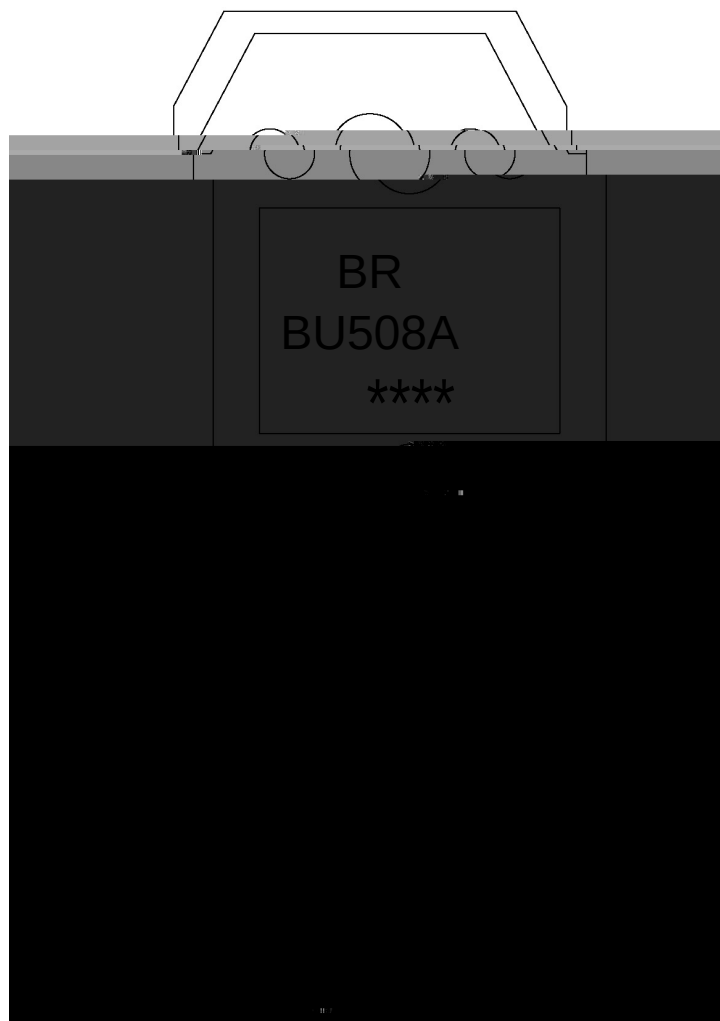
See Marking Instructions.

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	1500	V
Collector to Emitter Voltage	V_{CEO}	700	V
Collector to Emitter Voltage($V_{EB}=0$)	V_{CES}	1500	V
Emitter to Base Voltage	V_{EBO}	9	V
Collector Current - Continuous	I_C	8	A
Peak Collector Current	I_{CM}	15	A
Total Power Dissipation	P		

/ Package Dimensions



/ Marking Instructions



BR:

BU508A

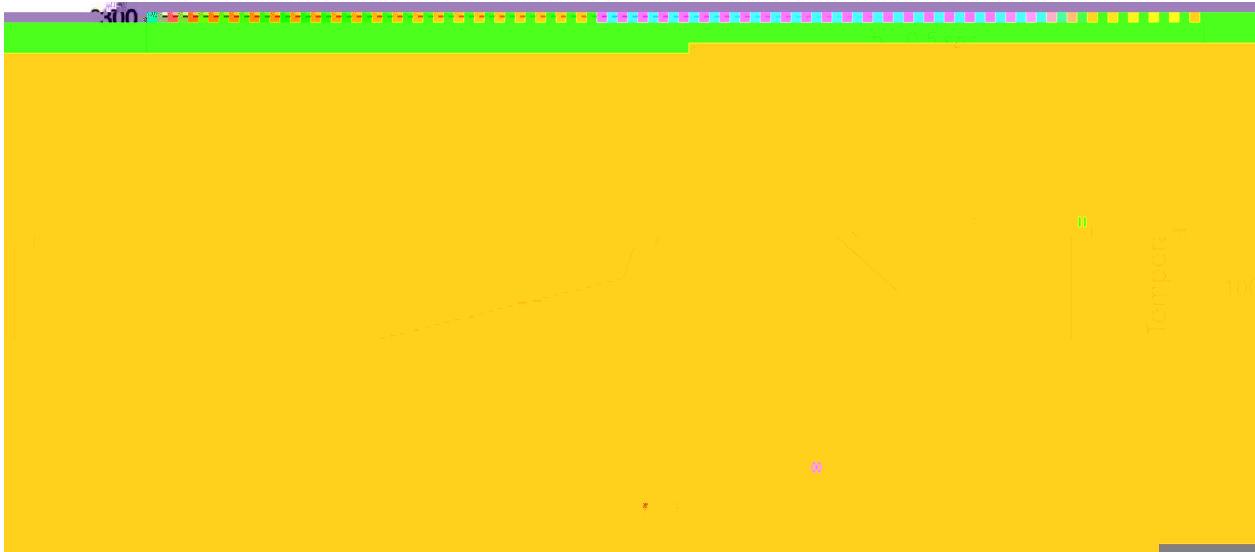
Note:

BR: Company Code.

BU508A: Product Type.

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

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



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

- 1 25 150 60 90sec;
- 2 255±5 5±0.5sec;
- 3 2 10 /sec.

2 ± 5 7