

/ Descriptions

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

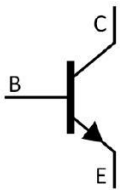
/ Features

High breakdown voltage, high speed, wide SOA.

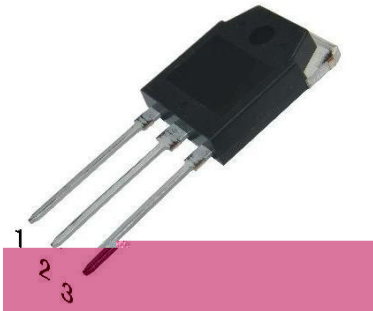
/ Applications

Horizontal deflection output for TV and CRT monitor.

/ Equivalent Circuit



/ Pinning



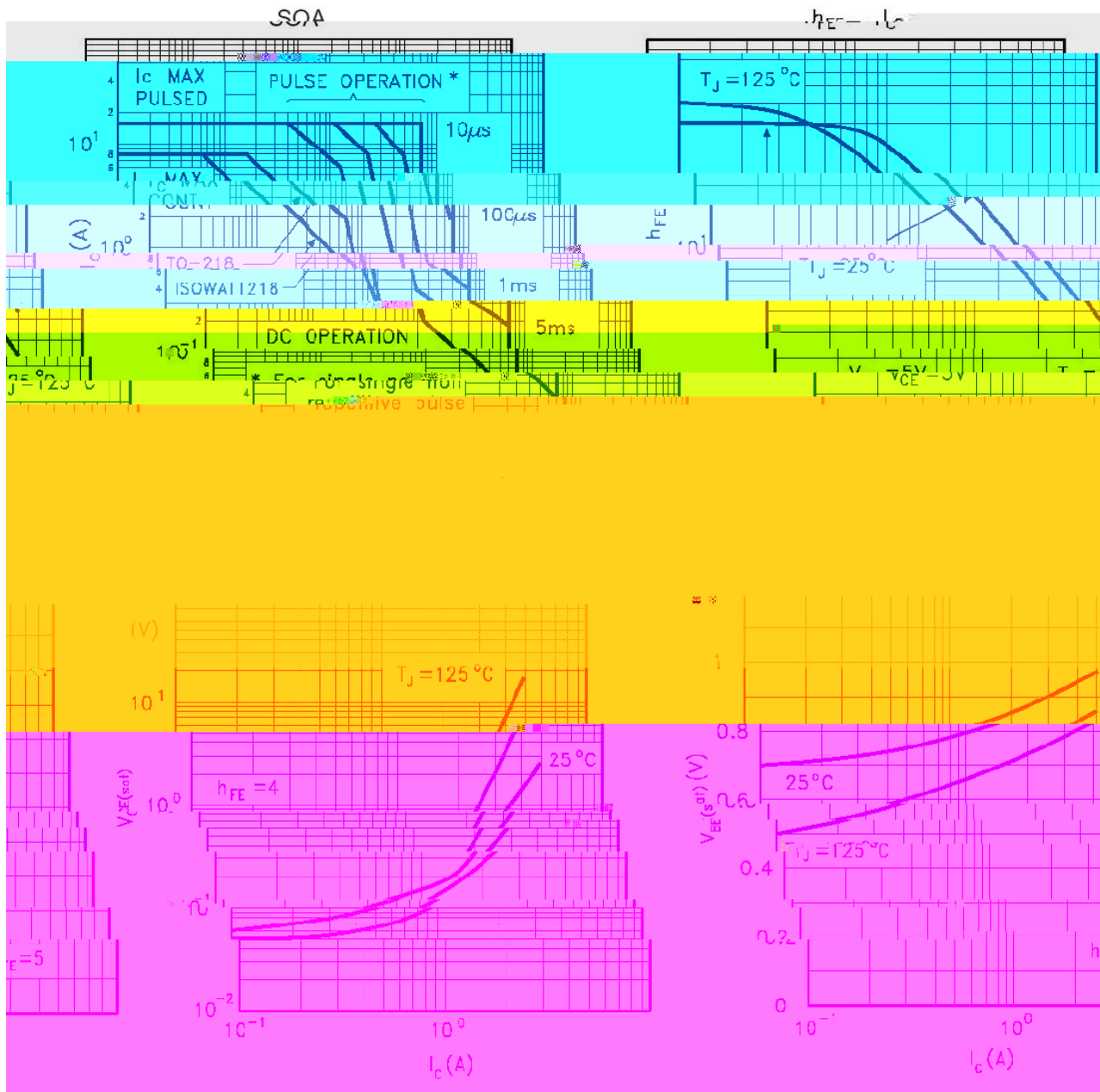
PIN1 Base PIN 2 Collector PIN 3 Emitter

/ h_{FE} Classifications & Marking

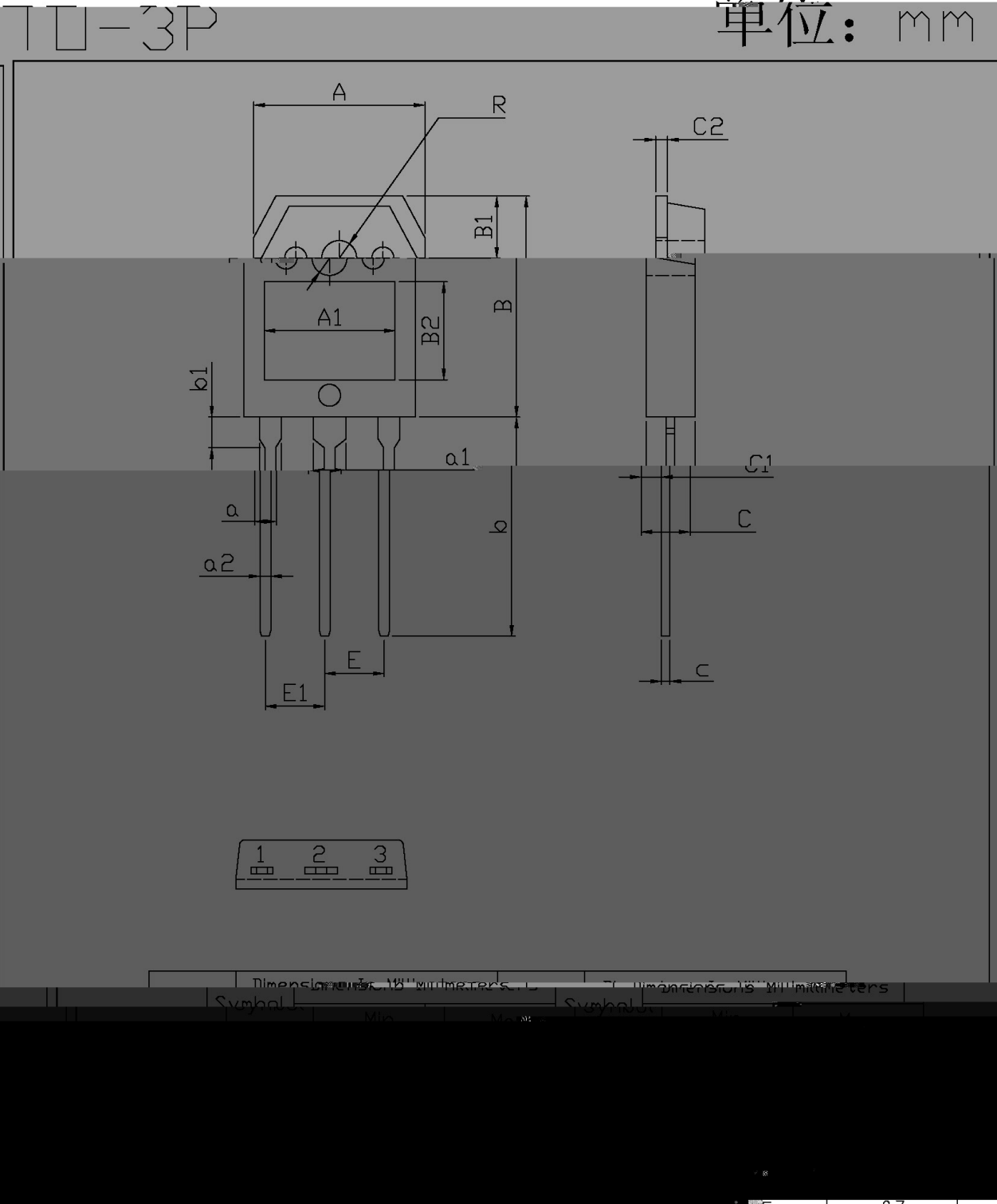
See Marking Instructions.

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_{to}		

/ Electrical Characteristic Curve

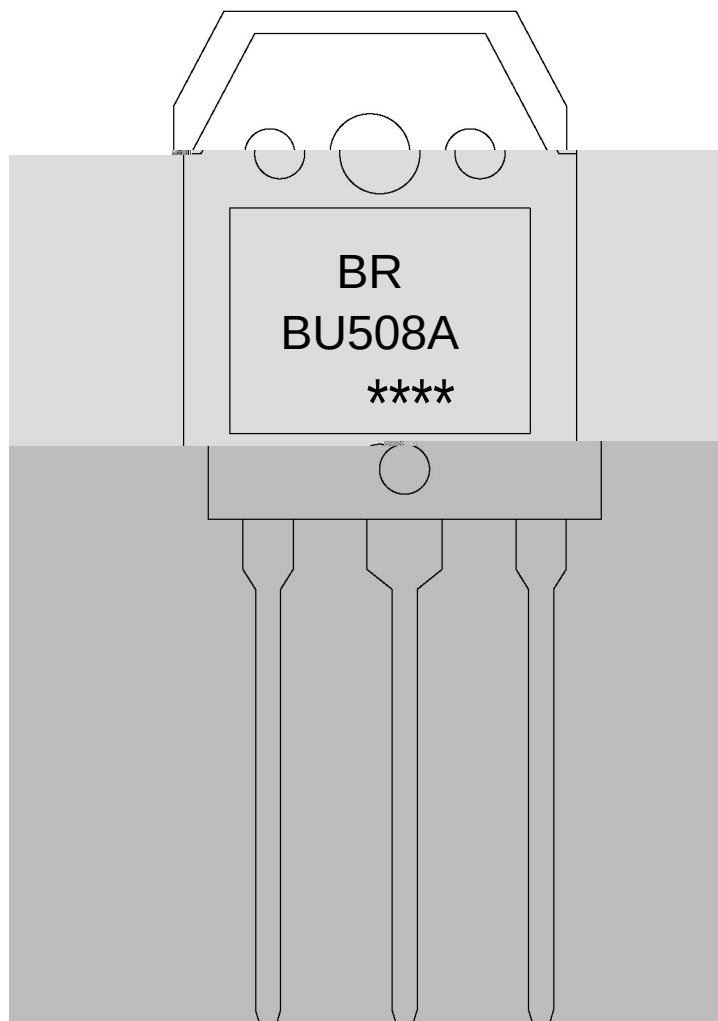


/ Package Dimensions



	b	19.5	20.5	C	0.5	0.7
	b1	3.0	3.4			
	a	1.8	2.2			
	a1	2.8	3.2			

/ Marking Instructions



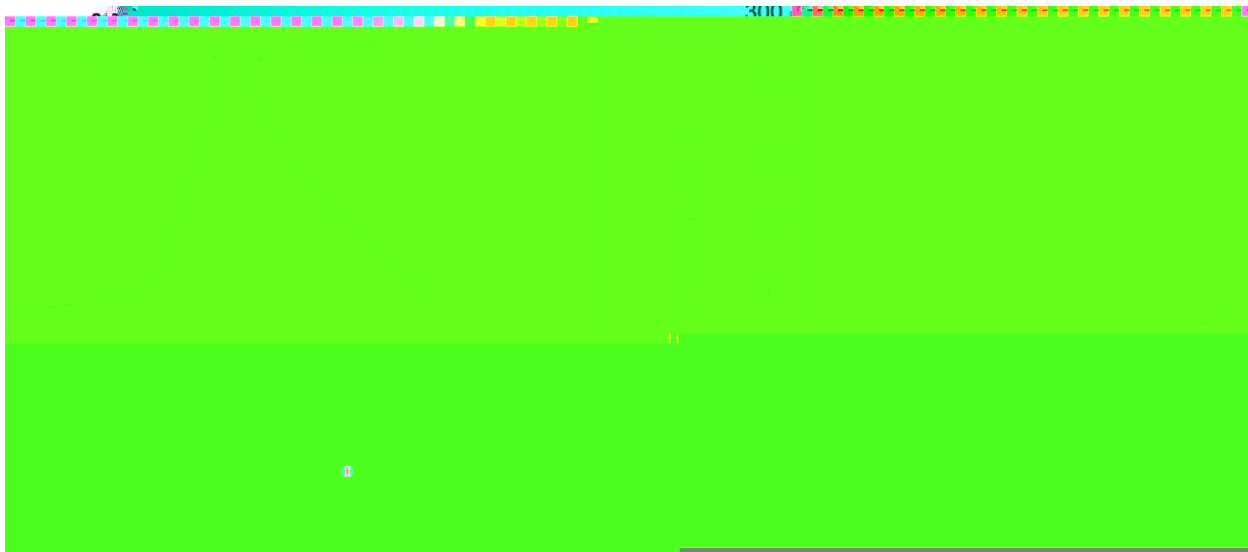
Note:

BR: Company Code.

: Product Type.

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

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



Note:

- | | | | | | |
|---|-----|-----|----|---------|---|
| 1 | 25 | 150 | 60 | 90sec; | 1.Preheating:25~150 , Time:60~90sec. |
| 2 | 255 | 5 | 5 | 0.5sec; | 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.

/ TUBE

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	Units/Tube 只/套管	Tubes/Inner Box 套管/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Tube 套管	Inner Box 盒	Outer Box 箱
TO-3P	30	15	450	5	2250	497.5×46×8	555×164×50	575 290 180

/ Notices