

/ Descriptions

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

/ Features

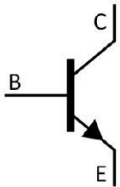
TIP36C

Low leakage current, high current gain bandwidth product, Complementary to TIP36C.

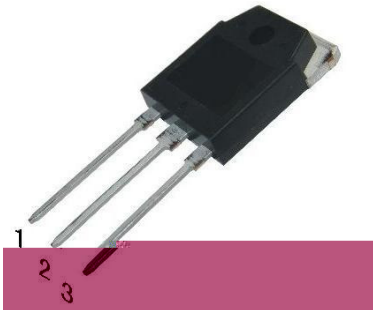
/ Applications

Power amplifier and switching applications.

/ Equivalent Circuit



/ Pinning



PIN1 Base PIN 2 Collector PIN 3 Emitter

/ h_{FE} Classifications & Marking

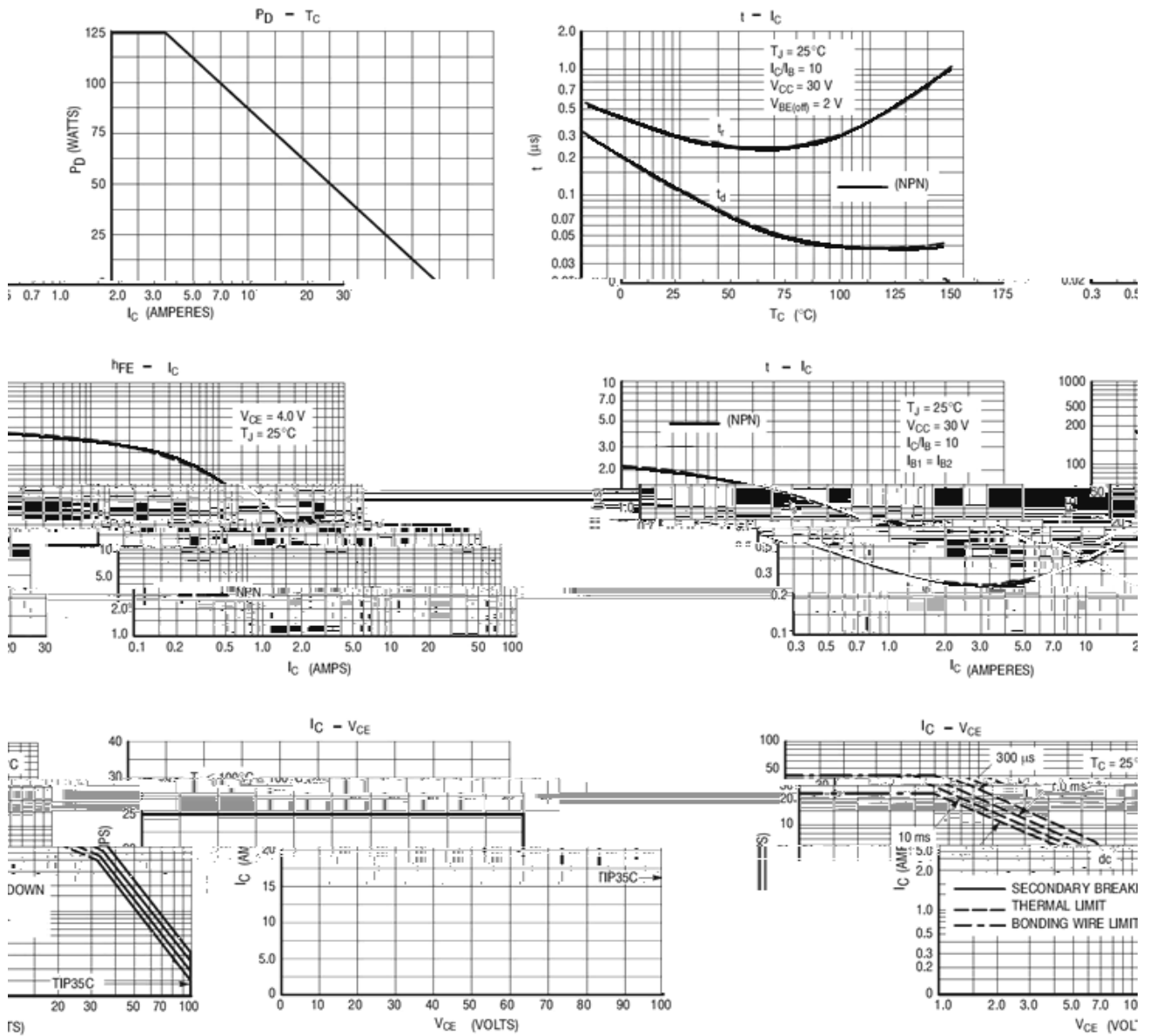
See Marking Instructions.

Symbol	Rating	Unit
V_{CBO}	100	V
V_{CEO}	100	V
V_{EBO}	5	V
I_C	25	A
I_{CM}	50	A

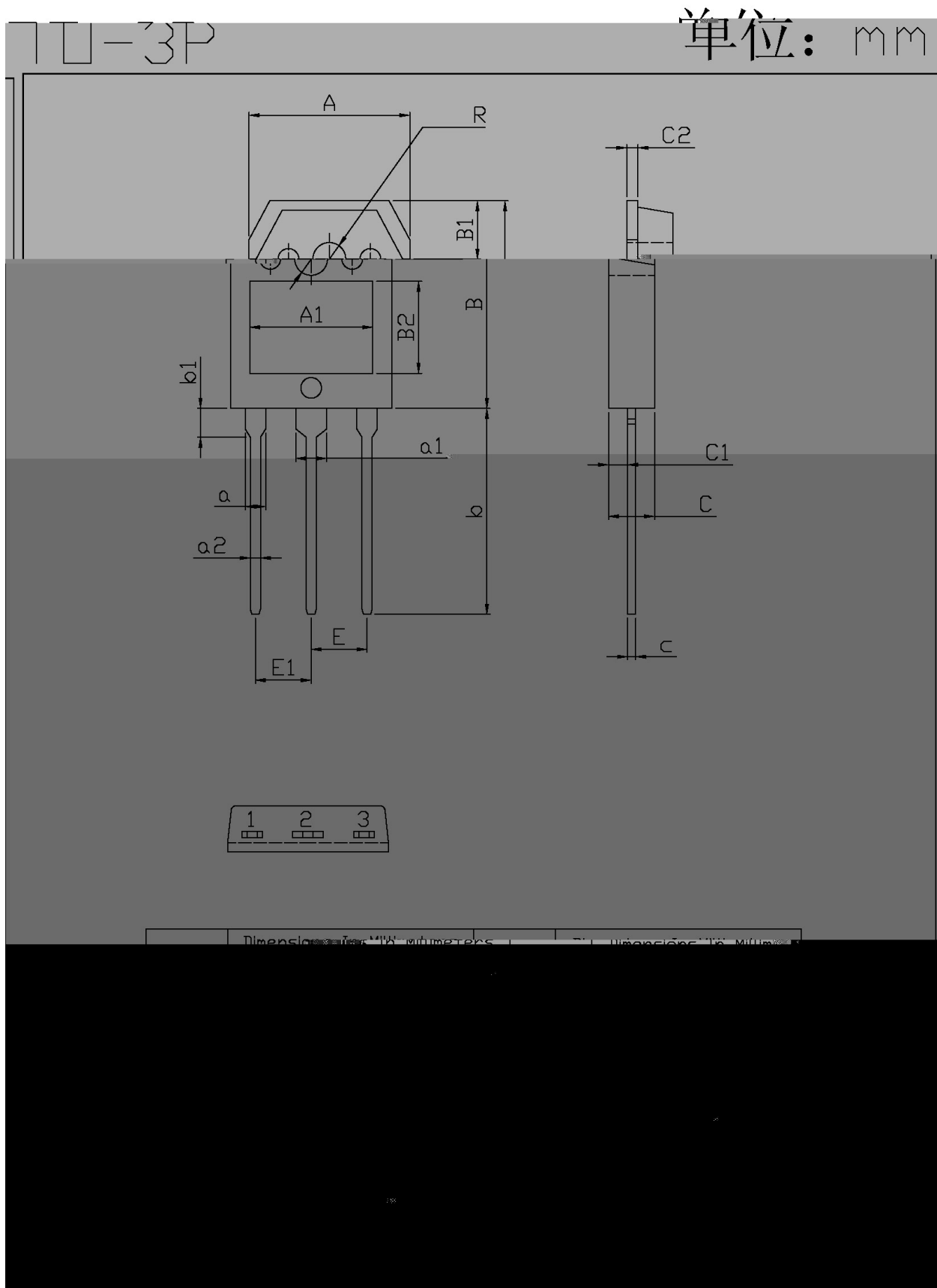
Total Power Dissipation	P_{tot}	125	W
Junction Temperature	T_j	150	°C
Storage Temperature Range	T_{stg}	-65 150	°C
Thermal Resistance Junction	R_{thj}	1	°C/W

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector Cut-Off Current	I_{CEO}	$V_{CE}=60V$ $I_B=0$			1	mA

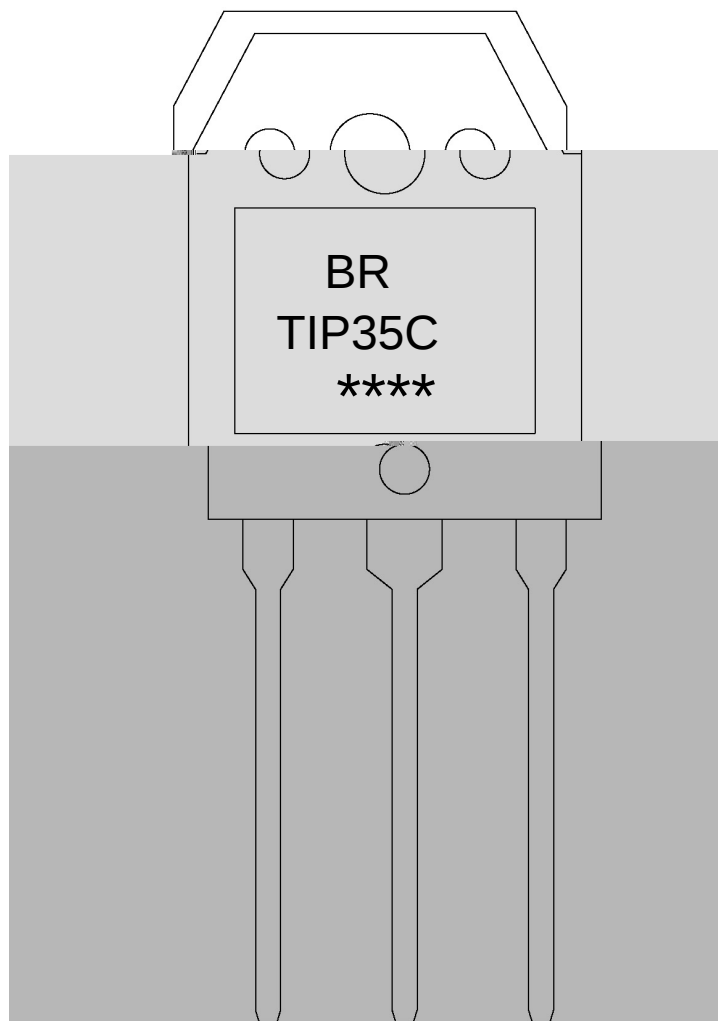
/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



BR:

TIP35C

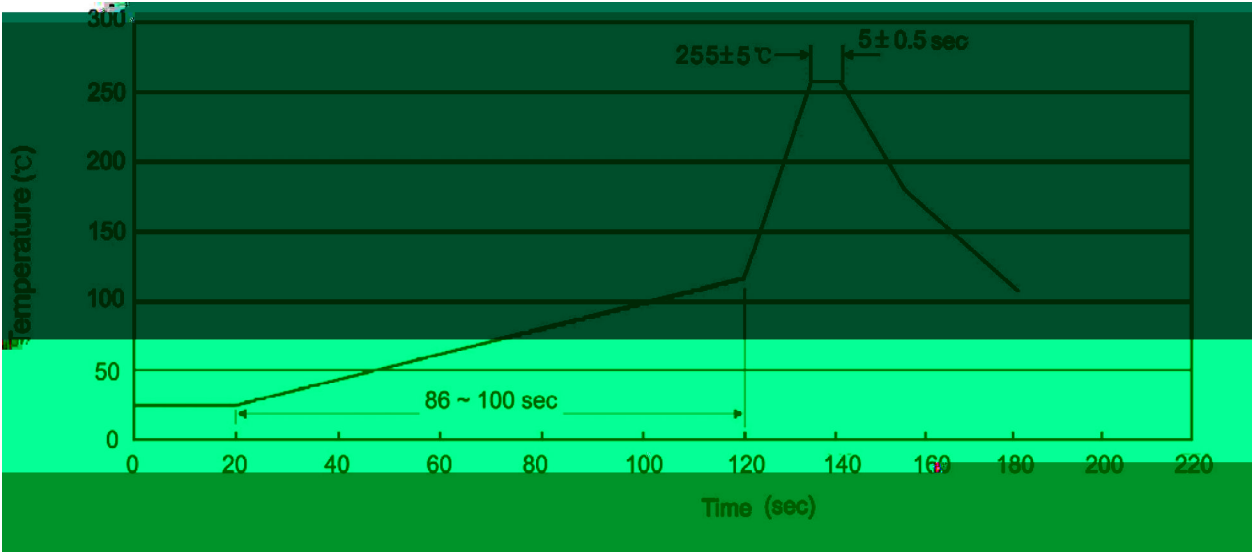
Note:

BR: Company Code.

TIP35C: Product Type.

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

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



Note:

- 1

25 150

60 90sec;
- 2

255±5

5±0.5sec;
- 3

2 10 /sec.
- 1.Preheating:25~150

, Time:60~90sec.
- 2.Peak Temp.:255±5

, Duration:5±0.5sec.
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