

/ Descriptions

TO-220 NPN Silicon NPN transistor in a TO-220 Plastic Package.

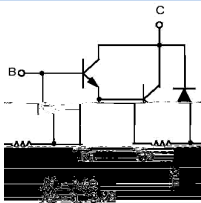
/ Features

- TIP147T
Monolithic construction with built in base-emitter shunt resistors, High DC current gain complement to TIP147T.

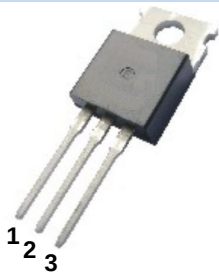
/ Applications

Linear and switching industrial equipment.

/ Equivalent Circuit



/ Pinning

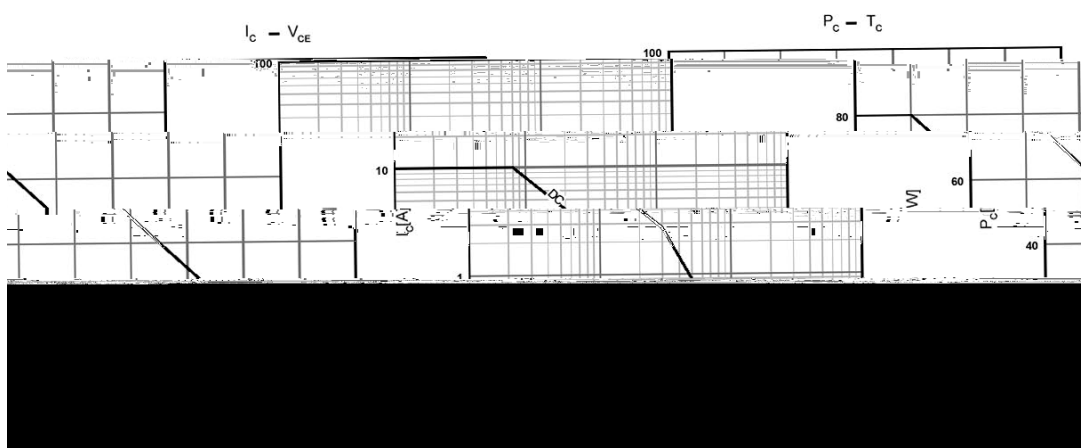
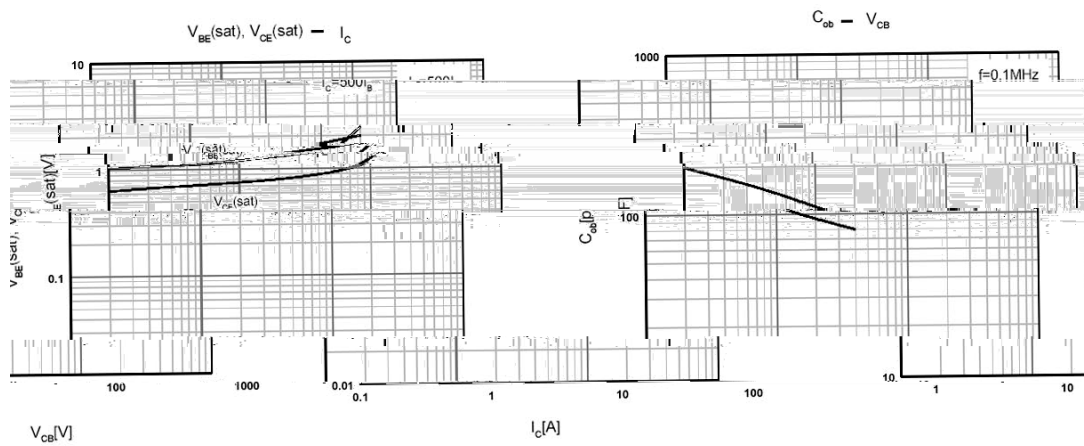
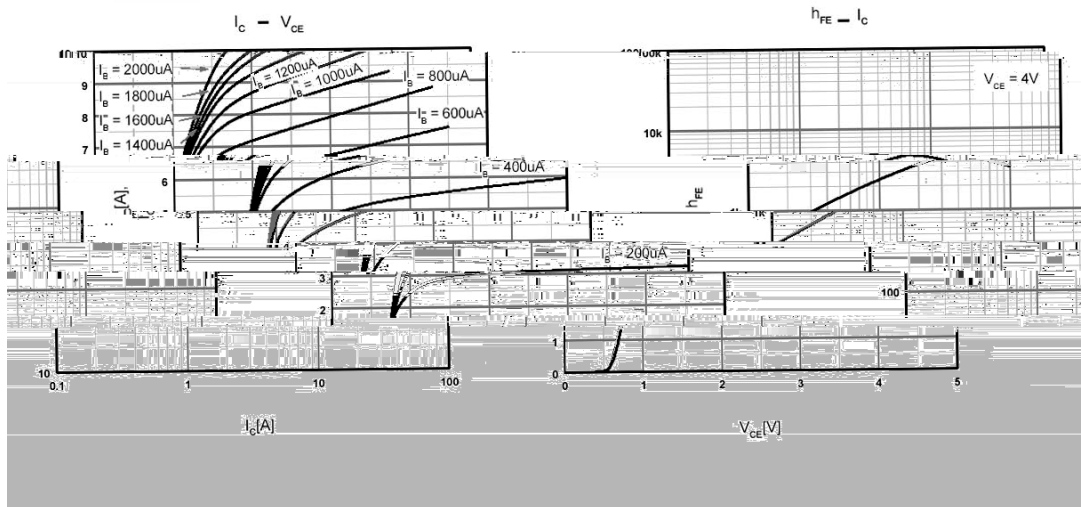


PIN1 Base PIN 2 Collector PIN 3 Emitter

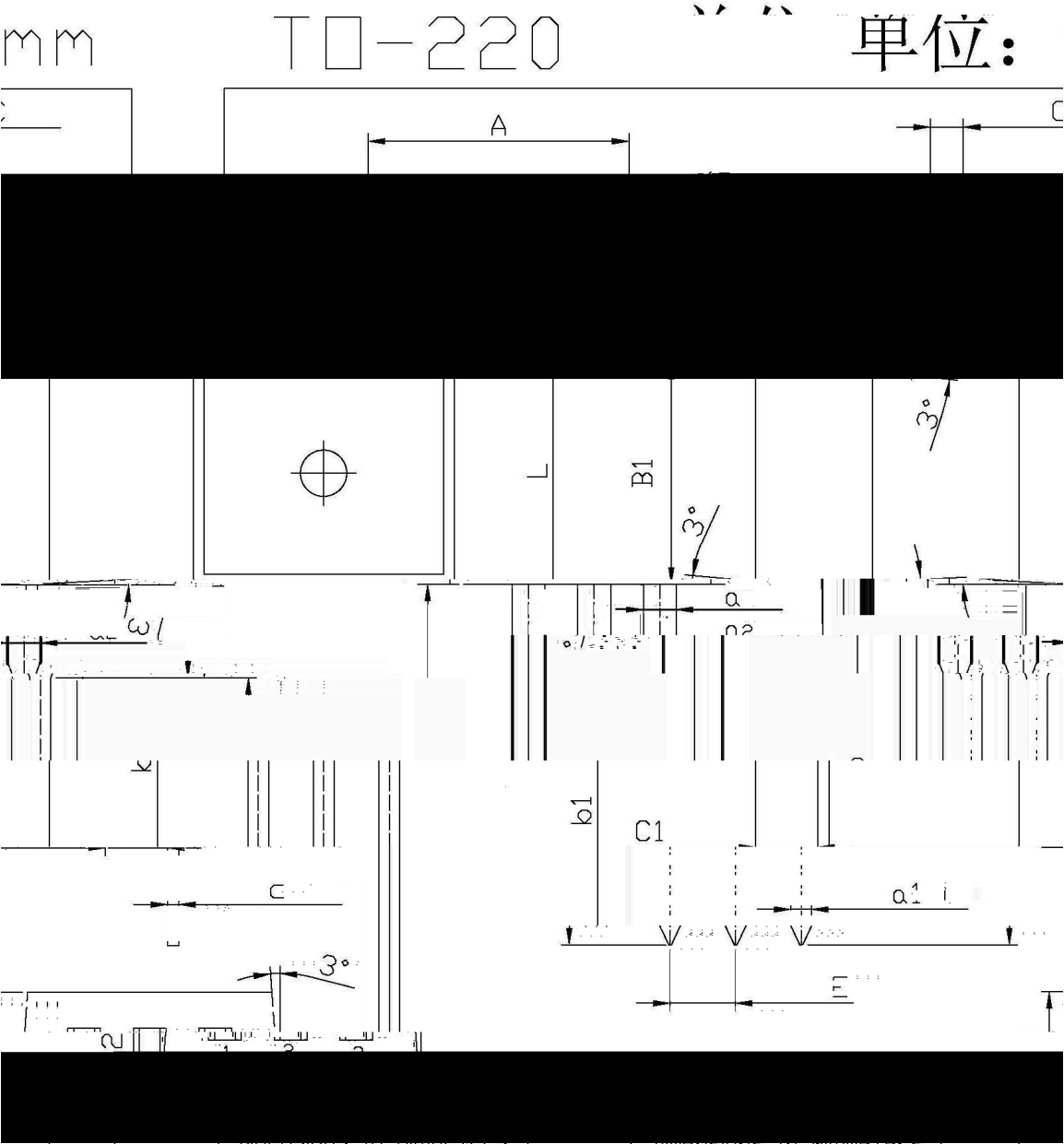
/ h_{FE} Classifications & Marking

See Marking Instructions.

/ Electrical Characteristic Curve

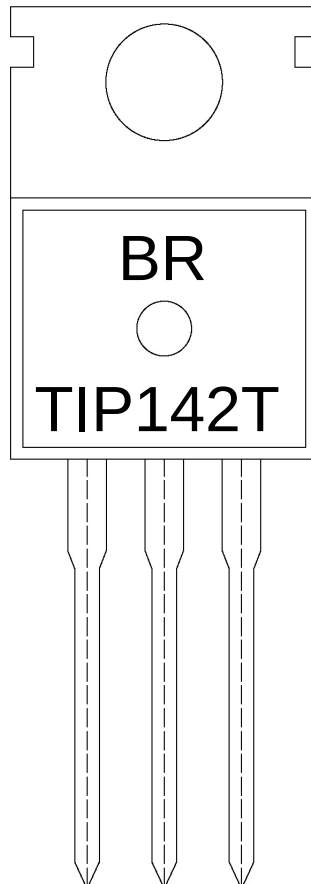


/ Package Dimensions



Dimensions in Millimeters			Dimensions in Millimeters		
Symbol	Min	Max	Symbol	Min	Max
A	9.8	10.2	C	1.2	1.4
B	1.25	3.50	B1	1.67	6.7
B1	9.0	9.4		15.7	16.1
a	1.25	2.2		1.25	1.6
a1	1.06	1.2		1.25	1.6
b1	1.32	0.4		0.6	1.22
c	0.2	0.25		0.2	0.25
c1	0.2	0.25		0.2	0.25

/ Marking Instructions



BR

TIP142T

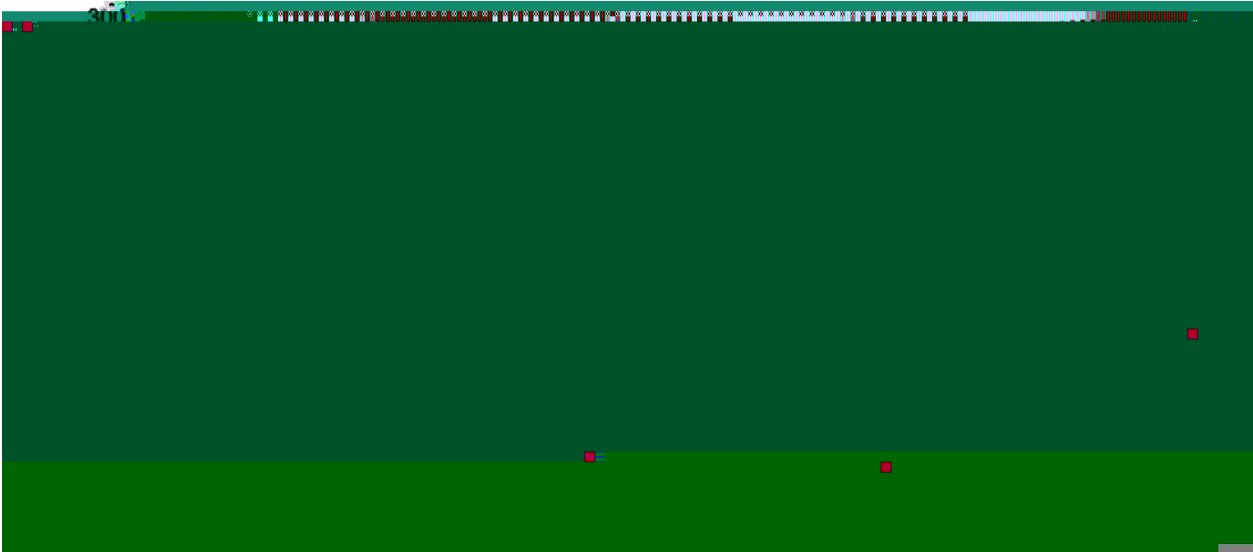
Note:

BR: Company Code

TIP142T: 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

±4800V

PT5 0 07270±Tj /TT4 19 TD -0.5.05 Tc 0.227 1 T0145 Tw6 0Duration:5