

/ Descriptions

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

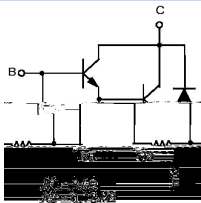
/ Features

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

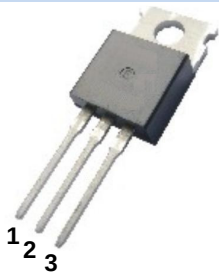
/ Applications

Linear and switching industrial equipment.

/ Equivalent Circuit



/ Pinning

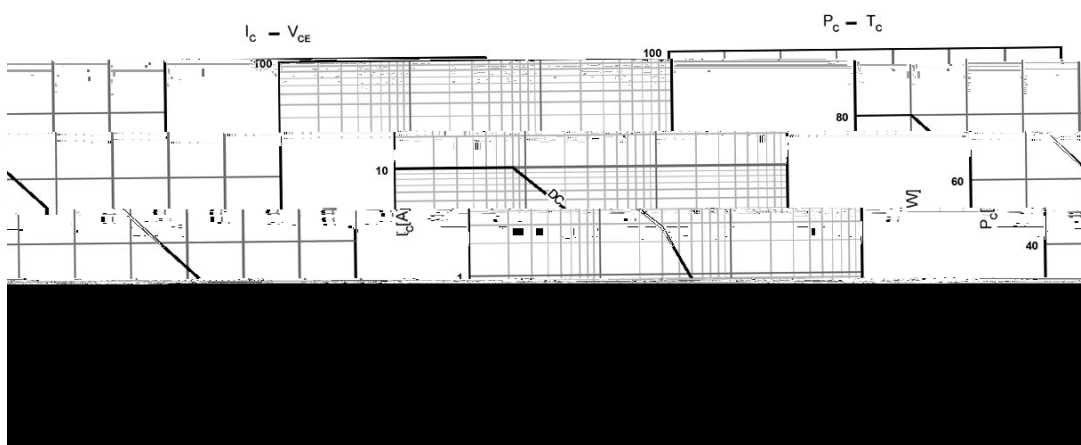
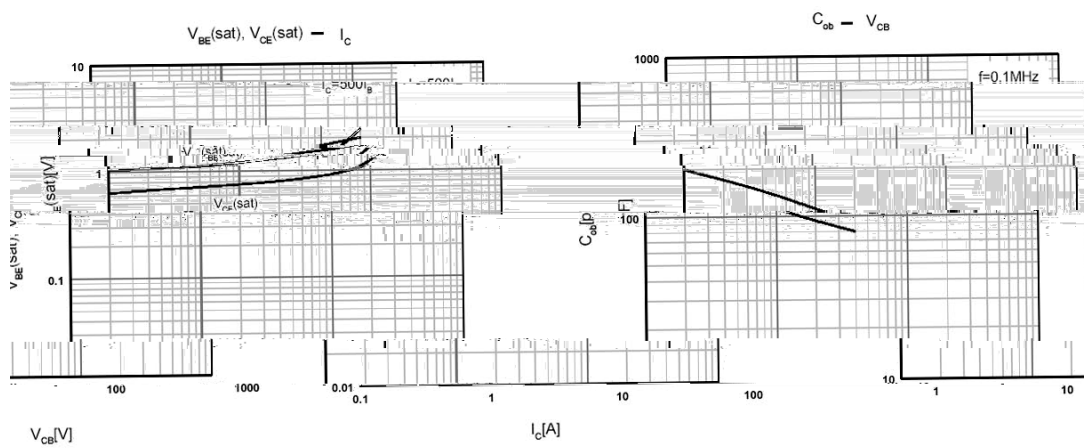
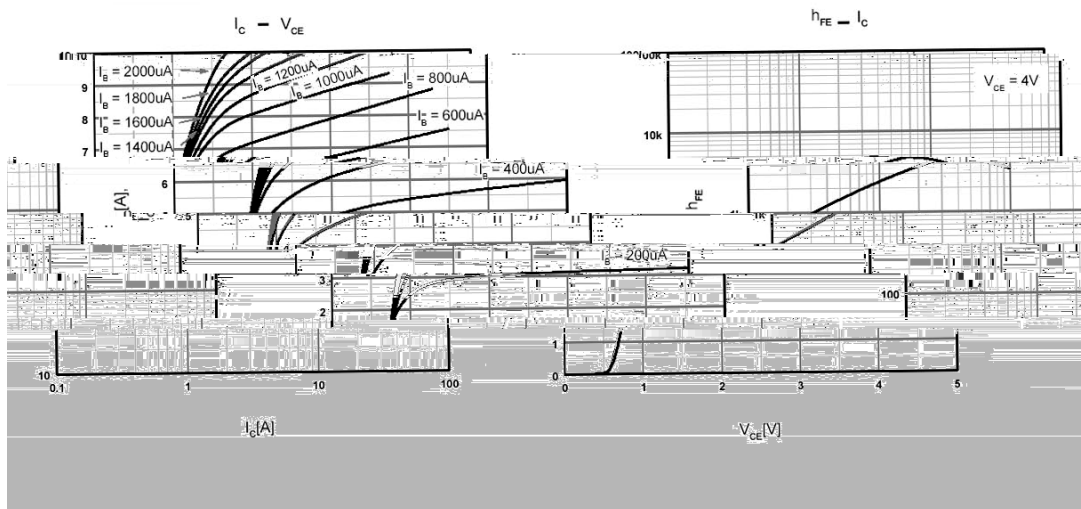


PIN1 Base PIN 2 Collector PIN 3 Emitter

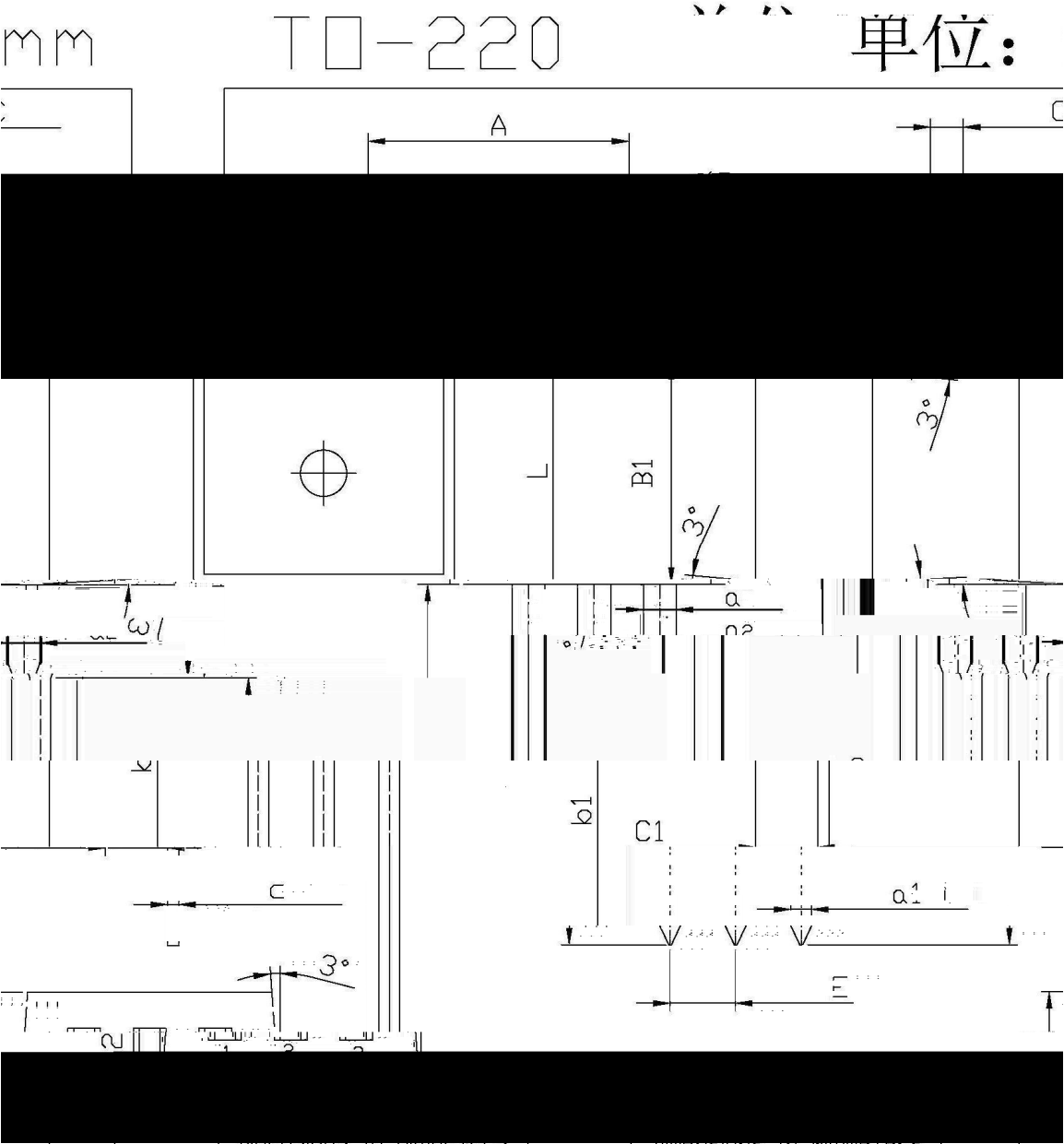
/ h_{FE} Classifications & Marking

See Marking Instructions.

/ **Electrical Characteristic Curve**

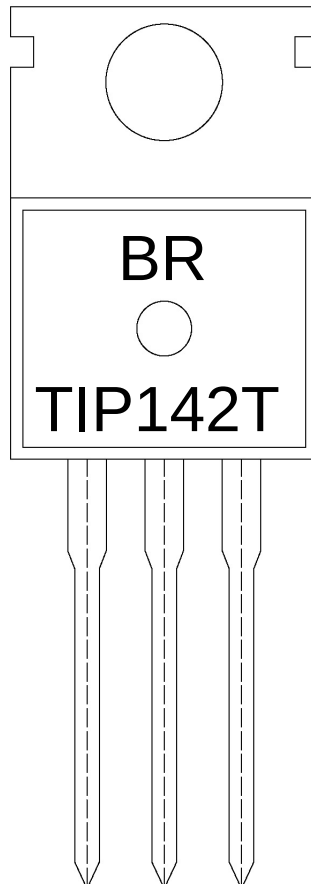


/ Package Dimensions



Dimensions in Millimeters			Dimensions in Millimeters		
Symbol	Min	Max	Symbol	Min	Max
A	9.8	10.2	C	1.2	1.4
B1	9.0	9.4	a	0.5	0.7
a	15.6	16.2	a1	15.7	16.1
b1	1.32	0.4	h	1.22	
c	0.2	0.2			

/ Marking Instructions



BR

TIP142T

Note:

BR: Company Code

TIP142T: Product Type.

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

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	±48.00	±0.07	270±Tj	/TT4 19 TD -0.5.05 Tc 0.227 1 T0145 Tw6 0	Duration:5	