/ Descriptions

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

/ Features

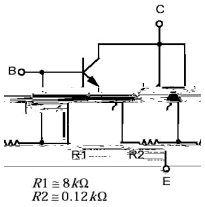
- TIP147T

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

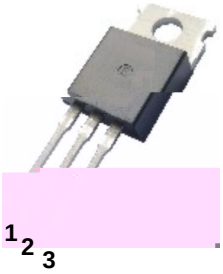
/ Applications

Linear and switching industrial equipment.

/ Equivalent Circuit



/ Pinning



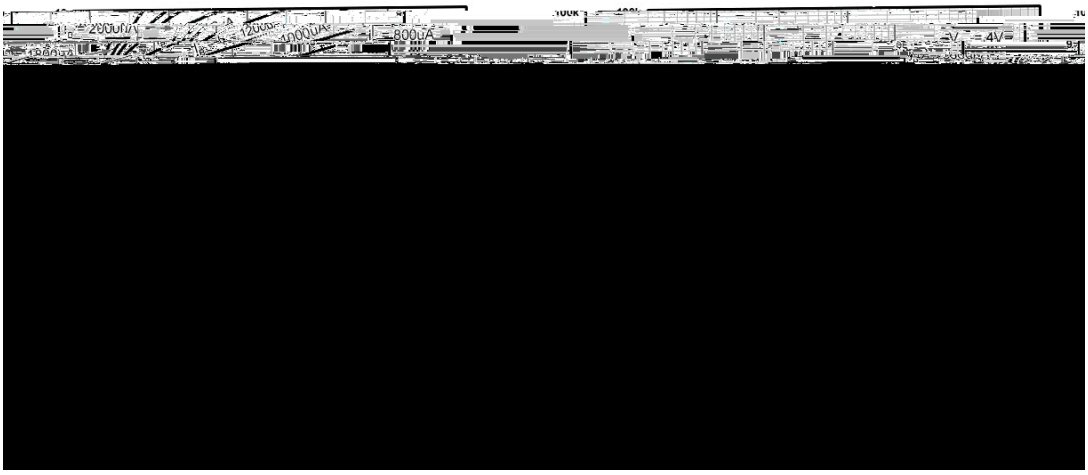
PIN1 Base PIN 2 Collector PIN 3 Emitter

/ h_{FE} Classifications & Marking

See Marking Instructions.

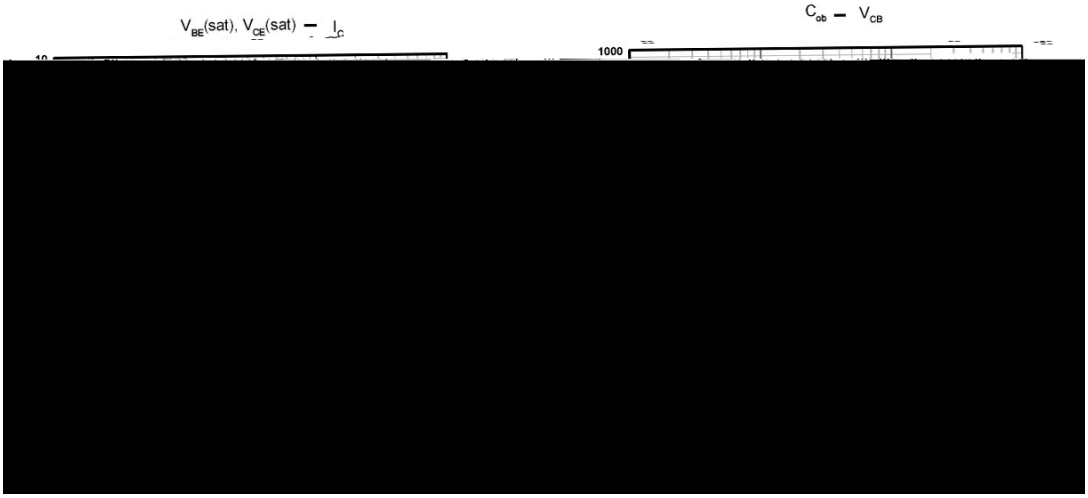
/ Electrical Characteristic Curve

I_C – V_{CE}



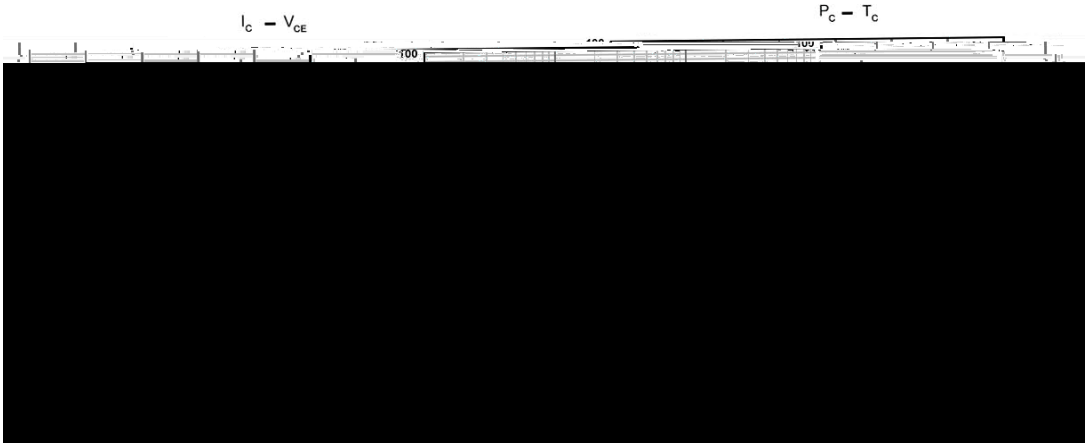
h_{FE} – I_C

V_{BE}(sat), V_{CE}(sat) – I_C



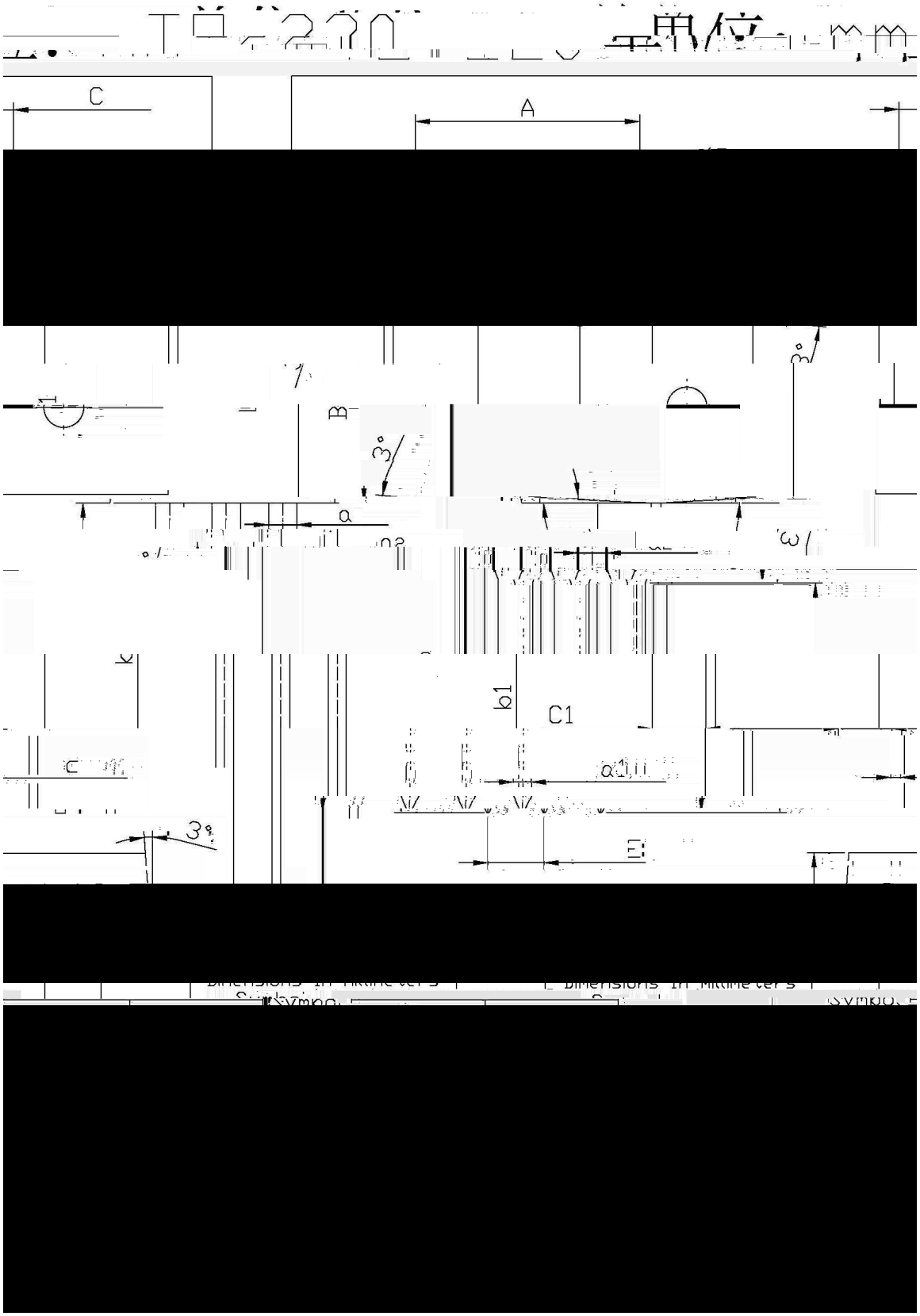
C_{ob} – V_{CB}

I_C – V_{CE}

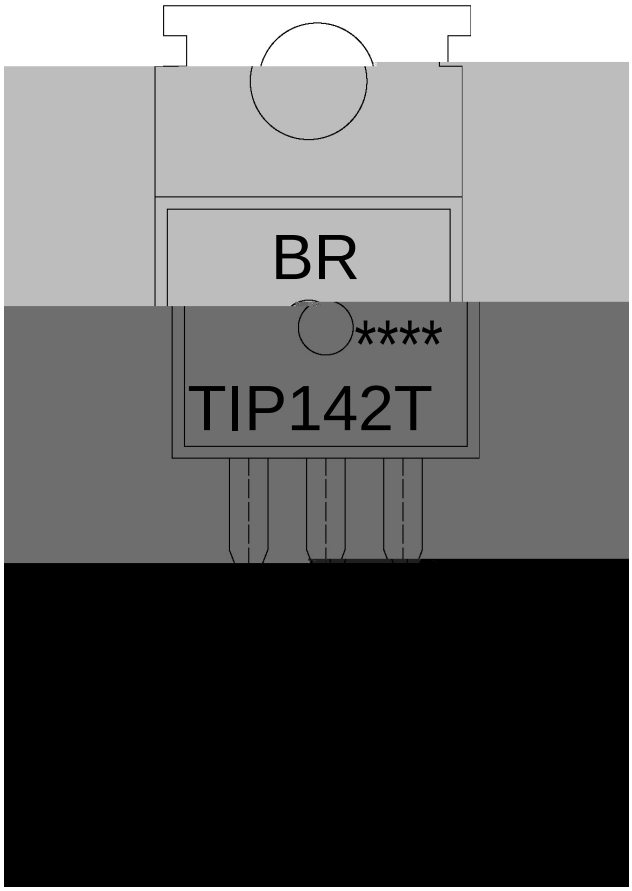


P_C – T_C

/ Package Dimensions



/ Marking Instructions



BR

TIP142T

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Note:

BR:	Company Code
TIP142T:	Product Type.
****:	Lot No. Code, code change with Lot No.