

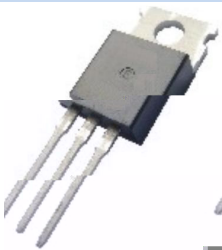
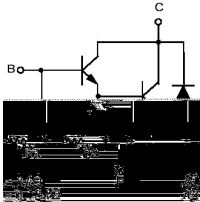
Rev. H Oct.-2018

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

-      TIP147T

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

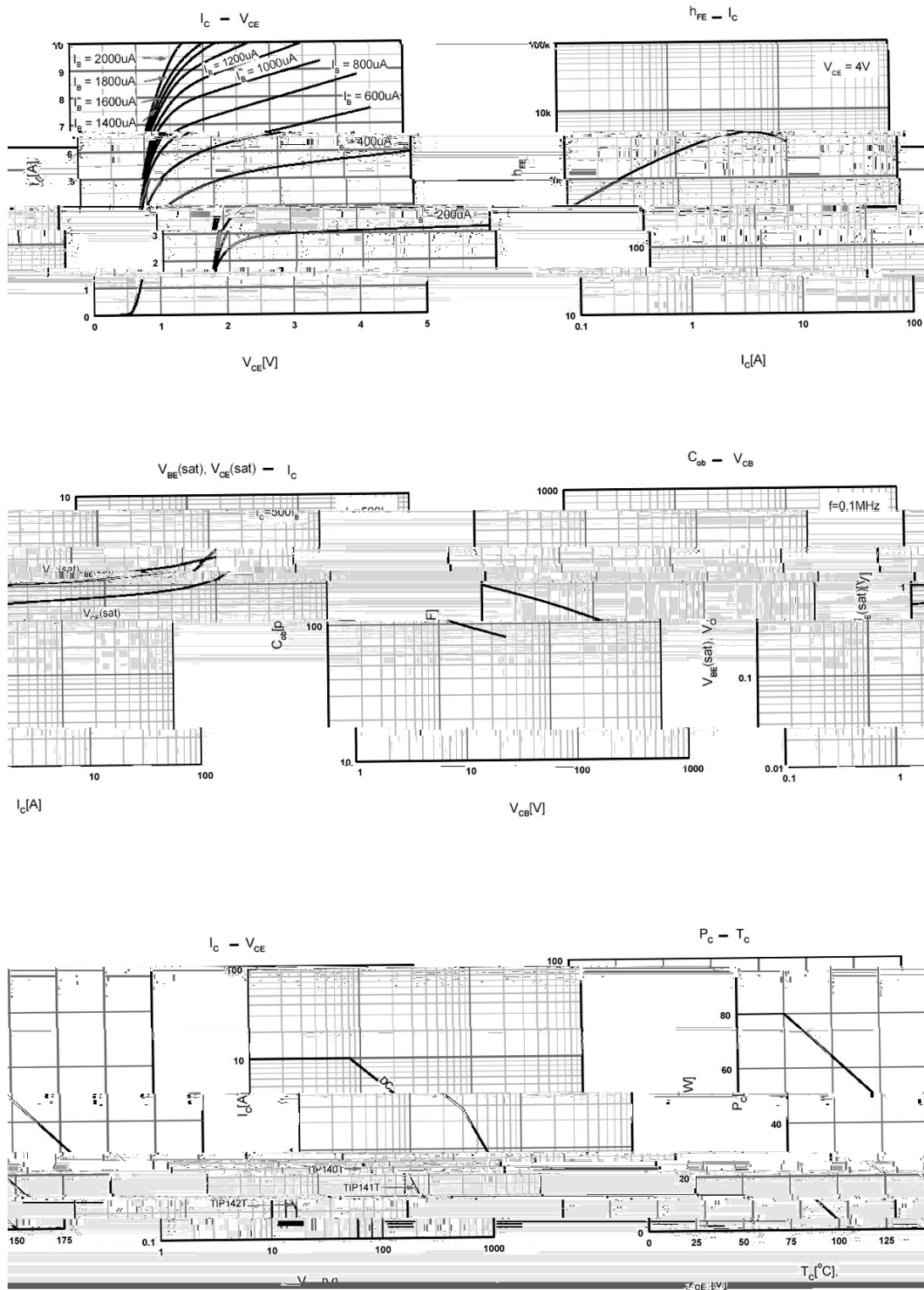
Linear and switching industrial equipment.



PIN1 Base      PIN 2 Collector      PIN 3 Emitter

See Marking Instructions.

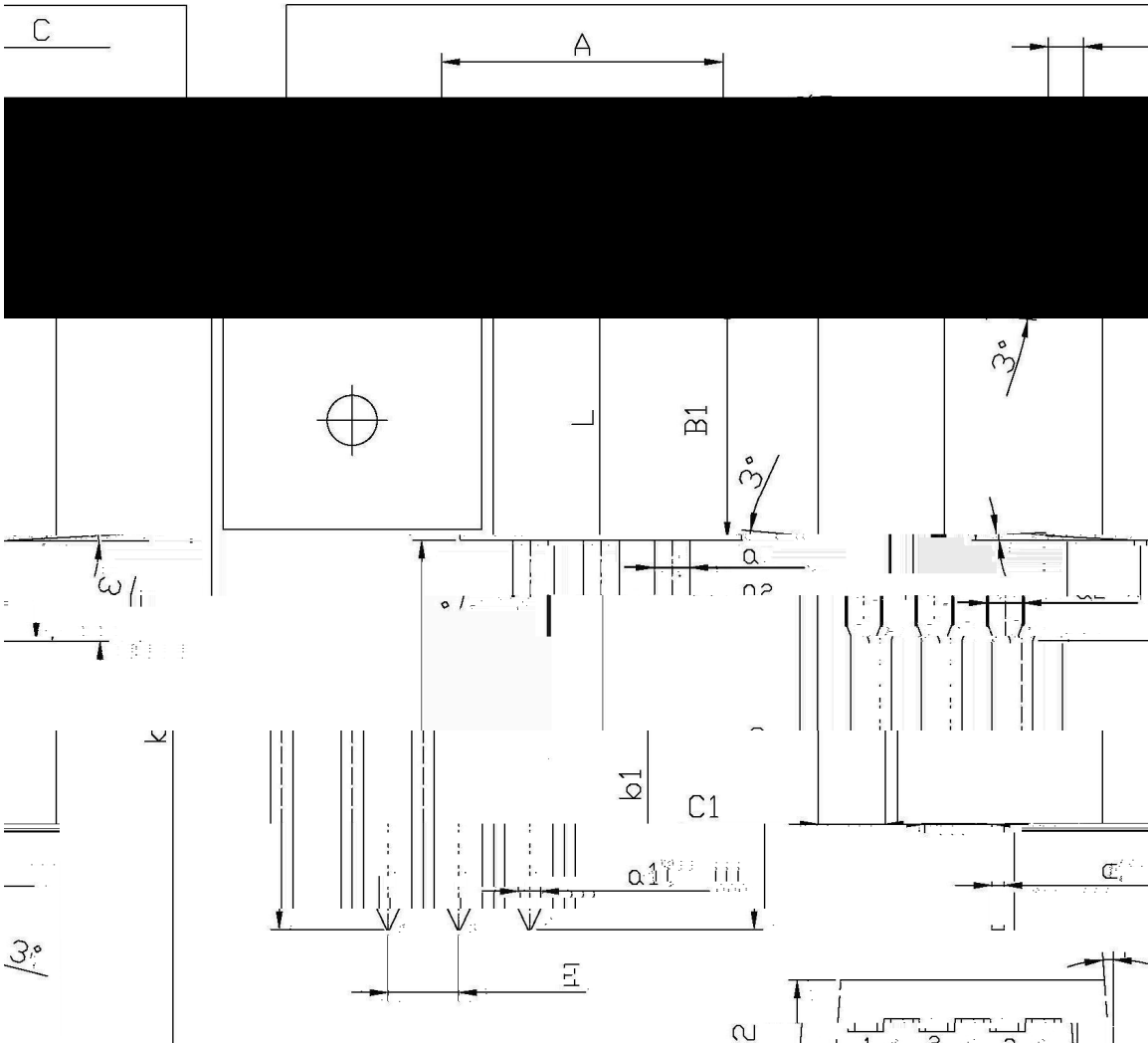




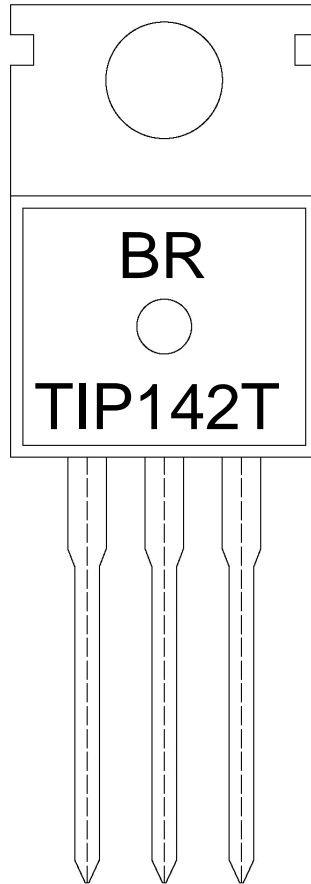
mm

TO-220

单位:



| Symbol | Dimensions in Millimeters |      | Symbol | Dimensions in Millimeters |      |
|--------|---------------------------|------|--------|---------------------------|------|
|        | Min                       | Max  |        | Min                       | Max  |
| A      | 9.8                       | 10.2 | C      | 1.2                       | 1.4  |
| B      | 3.56                      | 3.64 | B1     | 6.3                       | 6.7  |
| B1     | 9.0                       | 9.4  | C1     | 15.7                      | 16.1 |
| a      | 0.7                       | 0.9  | a1     | 1.22                      | 1.3  |
| a1     | 0.4                       | 0.6  | a2     | 1.22                      | 1.3  |
| a2     | 0.7                       | 0.9  | a3     | 0.2                       | 0.3  |
| a3     | 0.7                       | 0.9  | a4     | 0.2                       | 0.3  |
| a4     | 0.7                       | 0.9  | a5     | 0.2                       | 0.3  |
| a5     | 0.7                       | 0.9  | a6     | 0.2                       | 0.3  |
| a6     | 0.7                       | 0.9  | a7     | 0.2                       | 0.3  |
| a7     | 0.7                       | 0.9  | a8     | 0.2                       | 0.3  |
| a8     | 0.7                       | 0.9  | a9     | 0.2                       | 0.3  |
| a9     | 0.7                       | 0.9  | a10    | 0.2                       | 0.3  |
| a10    | 0.7                       | 0.9  | a11    | 0.2                       | 0.3  |
| a11    | 0.7                       | 0.9  | a12    | 0.2                       | 0.3  |
| a12    | 0.7                       | 0.9  | a13    | 0.2                       | 0.3  |
| a13    | 0.7                       | 0.9  | a14    | 0.2                       | 0.3  |
| a14    | 0.7                       | 0.9  | a15    | 0.2                       | 0.3  |
| a15    | 0.7                       | 0.9  | a16    | 0.2                       | 0.3  |
| a16    | 0.7                       | 0.9  | a17    | 0.2                       | 0.3  |
| a17    | 0.7                       | 0.9  | a18    | 0.2                       | 0.3  |
| a18    | 0.7                       | 0.9  | a19    | 0.2                       | 0.3  |
| a19    | 0.7                       | 0.9  | a20    | 0.2                       | 0.3  |
| a20    | 0.7                       | 0.9  | a21    | 0.2                       | 0.3  |
| a21    | 0.7                       | 0.9  | a22    | 0.2                       | 0.3  |
| a22    | 0.7                       | 0.9  | a23    | 0.2                       | 0.3  |
| a23    | 0.7                       | 0.9  | a24    | 0.2                       | 0.3  |
| a24    | 0.7                       | 0.9  | a25    | 0.2                       | 0.3  |
| a25    | 0.7                       | 0.9  | a26    | 0.2                       | 0.3  |
| a26    | 0.7                       | 0.9  | a27    | 0.2                       | 0.3  |
| a27    | 0.7                       | 0.9  | a28    | 0.2                       | 0.3  |
| a28    | 0.7                       | 0.9  | a29    | 0.2                       | 0.3  |
| a29    | 0.7                       | 0.9  | a30    | 0.2                       | 0.3  |
| a30    | 0.7                       | 0.9  | a31    | 0.2                       | 0.3  |
| a31    | 0.7                       | 0.9  | a32    | 0.2                       | 0.3  |
| a32    | 0.7                       | 0.9  | a33    | 0.2                       | 0.3  |
| a33    | 0.7                       | 0.9  | a34    | 0.2                       | 0.3  |
| a34    | 0.7                       | 0.9  | a35    | 0.2                       | 0.3  |
| a35    | 0.7                       | 0.9  | a36    | 0.2                       | 0.3  |
| a36    | 0.7                       | 0.9  | a37    | 0.2                       | 0.3  |
| a37    | 0.7                       | 0.9  | a38    | 0.2                       | 0.3  |
| a38    | 0.7                       | 0.9  | a39    | 0.2                       | 0.3  |
| a39    | 0.7                       | 0.9  | a40    | 0.2                       | 0.3  |
| a40    | 0.7                       | 0.9  | a41    | 0.2                       | 0.3  |
| a41    | 0.7                       | 0.9  | a42    | 0.2                       | 0.3  |
| a42    | 0.7                       | 0.9  | a43    | 0.2                       | 0.3  |
| a43    | 0.7                       | 0.9  | a44    | 0.2                       | 0.3  |
| a44    | 0.7                       | 0.9  | a45    | 0.2                       | 0.3  |
| a45    | 0.7                       | 0.9  | a46    | 0.2                       | 0.3  |
| a46    | 0.7                       | 0.9  | a47    | 0.2                       | 0.3  |
| a47    | 0.7                       | 0.9  | a48    | 0.2                       | 0.3  |
| a48    | 0.7                       | 0.9  | a49    | 0.2                       | 0.3  |
| a49    | 0.7                       | 0.9  | a50    | 0.2                       | 0.3  |
| a50    | 0.7                       | 0.9  | a51    | 0.2                       | 0.3  |
| a51    | 0.7                       | 0.9  | a52    | 0.2                       | 0.3  |
| a52    | 0.7                       | 0.9  | a53    | 0.2                       | 0.3  |
| a53    | 0.7                       | 0.9  | a54    | 0.2                       | 0.3  |
| a54    | 0.7                       | 0.9  | a55    | 0.2                       | 0.3  |
| a55    | 0.7                       | 0.9  | a56    | 0.2                       | 0.3  |
| a56    | 0.7                       | 0.9  | a57    | 0.2                       | 0.3  |
| a57    | 0.7                       | 0.9  | a58    | 0.2                       | 0.3  |
| a58    | 0.7                       | 0.9  | a59    | 0.2                       | 0.3  |
| a59    | 0.7                       | 0.9  | a60    | 0.2                       | 0.3  |
| a60    | 0.7                       | 0.9  | a61    | 0.2                       | 0.3  |
| a61    | 0.7                       | 0.9  | a62    | 0.2                       | 0.3  |
| a62    | 0.7                       | 0.9  | a63    | 0.2                       | 0.3  |
| a63    | 0.7                       | 0.9  | a64    | 0.2                       | 0.3  |
| a64    | 0.7                       | 0.9  | a65    | 0.2                       | 0.3  |
| a65    | 0.7                       | 0.9  | a66    | 0.2                       | 0.3  |
| a66    | 0.7                       | 0.9  | a67    | 0.2                       | 0.3  |
| a67    | 0.7                       | 0.9  | a68    | 0.2                       | 0.3  |
| a68    | 0.7                       | 0.9  | a69    | 0.2                       | 0.3  |
| a69    | 0.7                       | 0.9  | a70    | 0.2                       | 0.3  |
| a70    | 0.7                       | 0.9  | a71    | 0.2                       | 0.3  |
| a71    | 0.7                       | 0.9  | a72    | 0.2                       | 0.3  |
| a72    | 0.7                       | 0.9  | a73    | 0.2                       | 0.3  |
| a73    | 0.7                       | 0.9  | a74    | 0.2                       | 0.3  |
| a74    | 0.7                       | 0.9  | a75    | 0.2                       | 0.3  |
| a75    | 0.7                       | 0.9  | a76    | 0.2                       | 0.3  |
| a76    | 0.7                       | 0.9  | a77    | 0.2                       | 0.3  |
| a77    | 0.7                       | 0.9  | a78    | 0.2                       | 0.3  |
| a78    | 0.7                       | 0.9  | a79    | 0.2                       | 0.3  |
| a79    | 0.7                       | 0.9  | a80    | 0.2                       | 0.3  |
| a80    | 0.7                       | 0.9  | a81    | 0.2                       | 0.3  |
| a81    | 0.7                       | 0.9  | a82    | 0.2                       | 0.3  |
| a82    | 0.7                       | 0.9  | a83    | 0.2                       | 0.3  |
| a83    | 0.7                       | 0.9  | a84    | 0.2                       | 0.3  |
| a84    | 0.7                       | 0.9  | a85    | 0.2                       | 0.3  |
| a85    | 0.7                       | 0.9  | a86    | 0.2                       | 0.3  |
| a86    | 0.7                       | 0.9  | a87    | 0.2                       | 0.3  |
| a87    | 0.7                       | 0.9  | a88    | 0.2                       | 0.3  |
| a88    | 0.7                       | 0.9  | a89    | 0.2                       | 0.3  |
| a89    | 0.7                       | 0.9  | a90    | 0.2                       | 0.3  |
| a90    | 0.7                       | 0.9  | a91    | 0.2                       | 0.3  |
| a91    | 0.7                       | 0.9  | a92    | 0.2                       | 0.3  |
| a92    | 0.7                       | 0.9  | a93    | 0.2                       | 0.3  |
| a93    | 0.7                       | 0.9  | a94    | 0.2                       | 0.3  |
| a94    | 0.7                       | 0.9  | a95    | 0.2                       | 0.3  |
| a95    | 0.7                       | 0.9  | a96    | 0.2                       | 0.3  |
| a96    | 0.7                       | 0.9  | a97    | 0.2                       | 0.3  |
| a97    | 0.7                       | 0.9  | a98    | 0.2                       | 0.3  |
| a98    | 0.7                       | 0.9  | a99    | 0.2                       | 0.3  |
| a99    | 0.7                       | 0.9  | a100   | 0.2                       | 0.3  |



BR

TIP142T

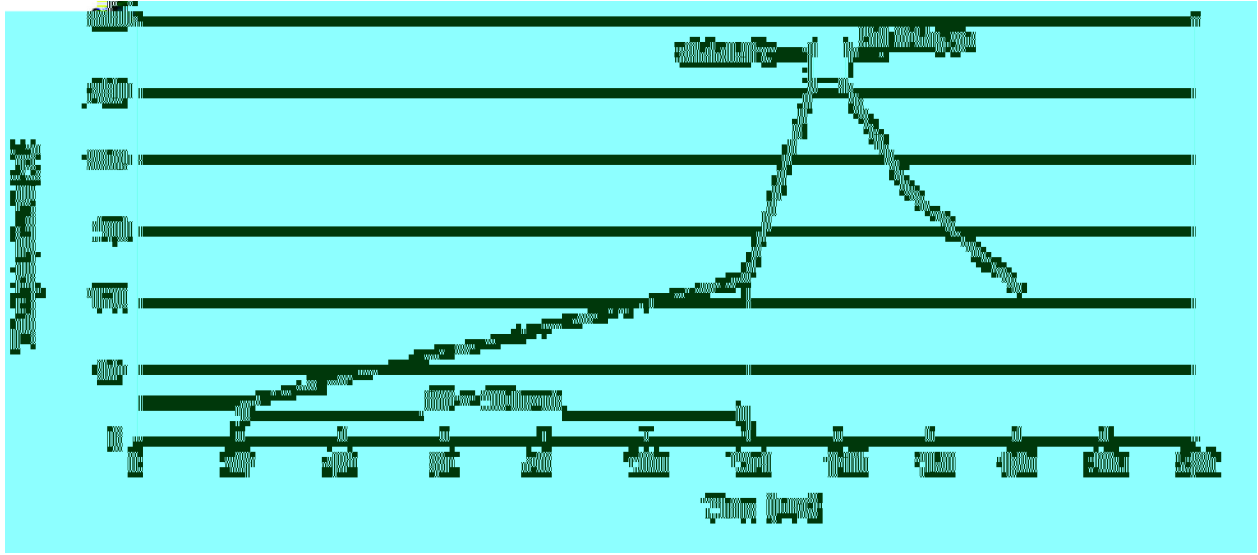
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Note:

BR: Company Code

TIP142T: Product Type.

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



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 | ∅      |           |   |