## / Descriptions

Silicon PNP transistor in a TO-92 Plastic Package.

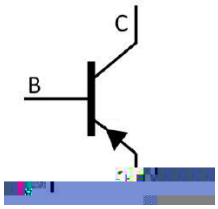
## / Features

High voltage low saturation, low collector output capacitance, complementary pair with MPSA42.

## / Applications

High voltage control circuit.

## / Equivalent Circuit




## / Pinning




PIN1 Collector PIN 2 Base PIN 3 Emitter

## / hFE Classifications & Marking

See Marking Instructions.

| Parameter | Symbol | Rating | Unit |
|---|---|---|---|
| Collector to Base Voltage | $V_{CBO}$ | -300 | V |
| Collector to Emitter Voltage | $V_{CEO}$ | -300 | V |
| Emitter to Base Voltage | $V_{EBO}$ | -5.0 | V |
| Collector Current - Continuous | $I_C$ | -500 | mA |
| Base Current - Continuous | $I_B$ | -30 | mA |
| Collector Power Dissipation | $P_C$ | 625 | mW |
| Collector Power Dissipation | $P_c(T_c=25$ ) | 1.5 | W |
| Junction Temperature | $T_j$ | 150 | |
| | $T_{stg}$ | -55 150 | |

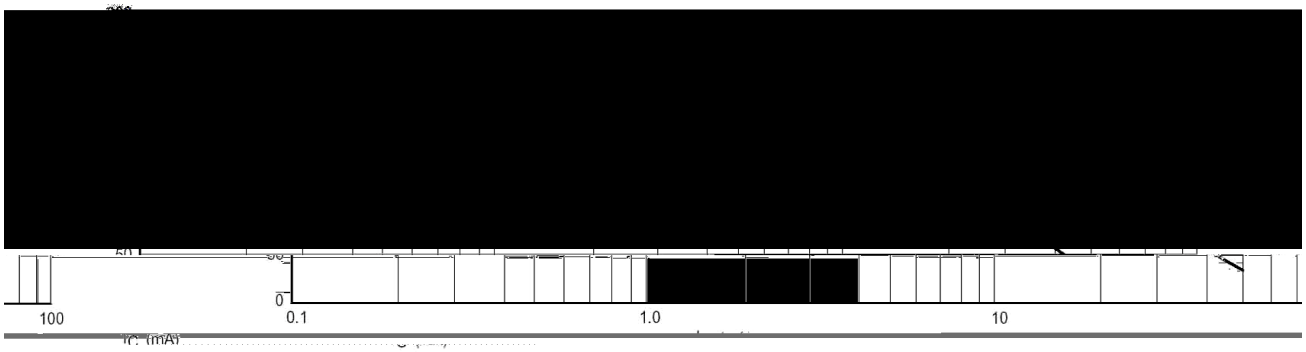
[redacted]

| | est Conditions | Min | Typ | Max | Unit |
|---|---|---|---|---|---|
| | 0μA $I_E$=0 | -300 | | | V |
| | 0mA $I_B$=0 | -300 | | | V |
| | 0μA $I_C$=0 | -5.0 | | | V |
| | 200V $I_E$=0 | | | -0.25 | μA |
| | .0V $I_C$=0 | | | -0.1 | μA |
| | .0V $I_C$=-10mA | 40 | | | |
| | .0V $I_C$=-30mA | 25 | | | |
| | .0V $I_C$=-1.0mA | 25 | | | |

[redacted]

## / Electrical Characteristic Curve

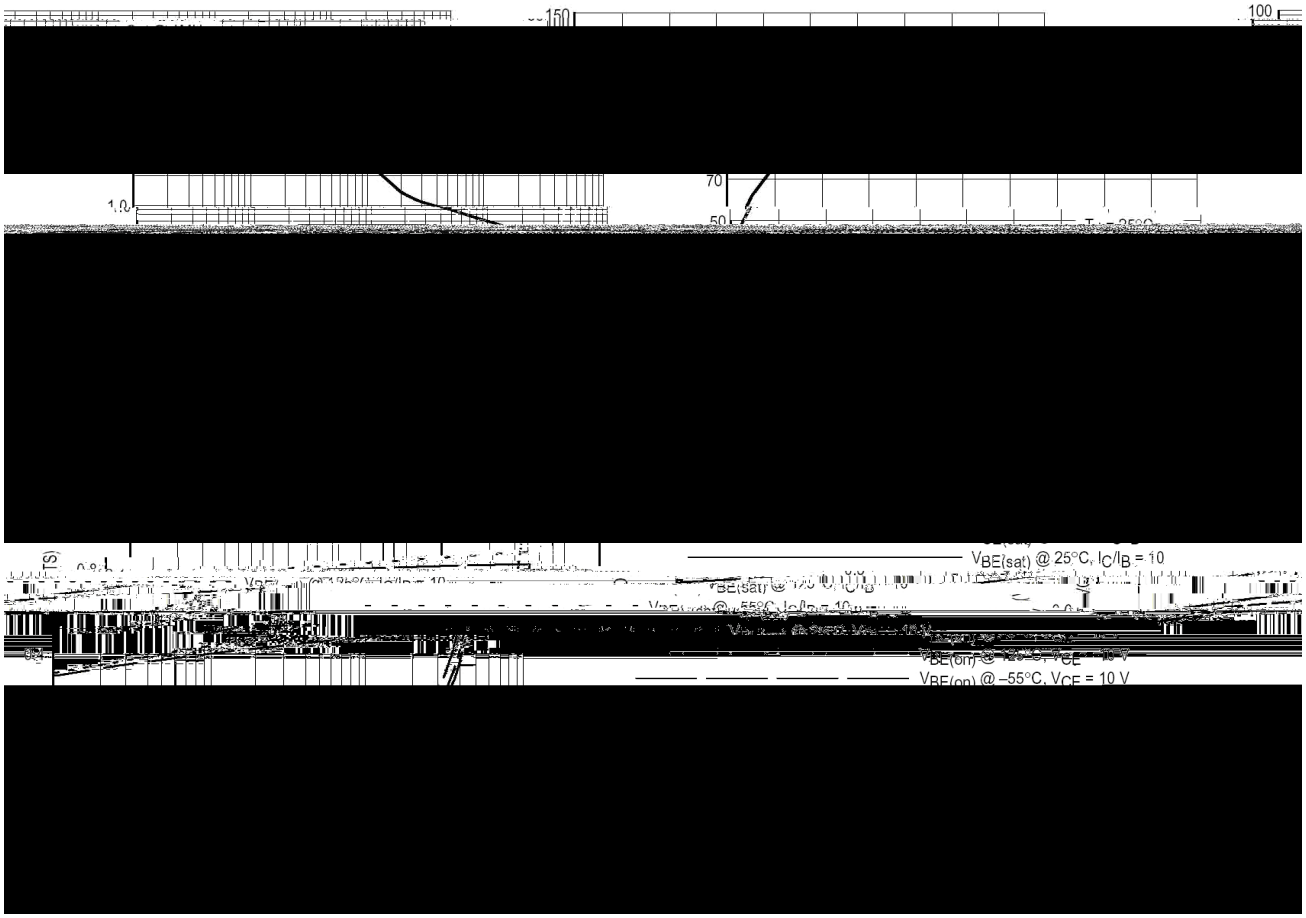
hFE – Ic



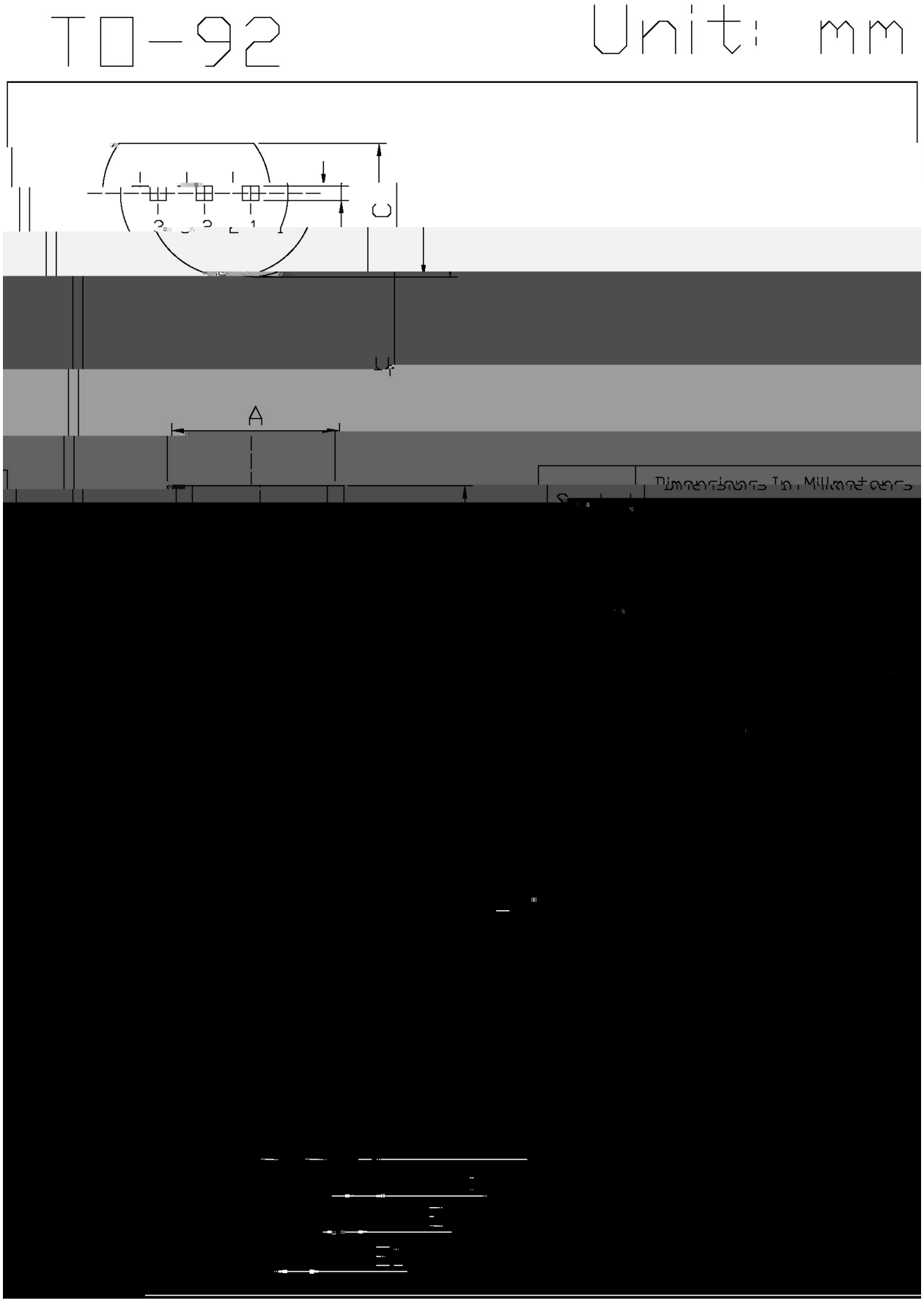

Cob – VCB

Cib – VCB

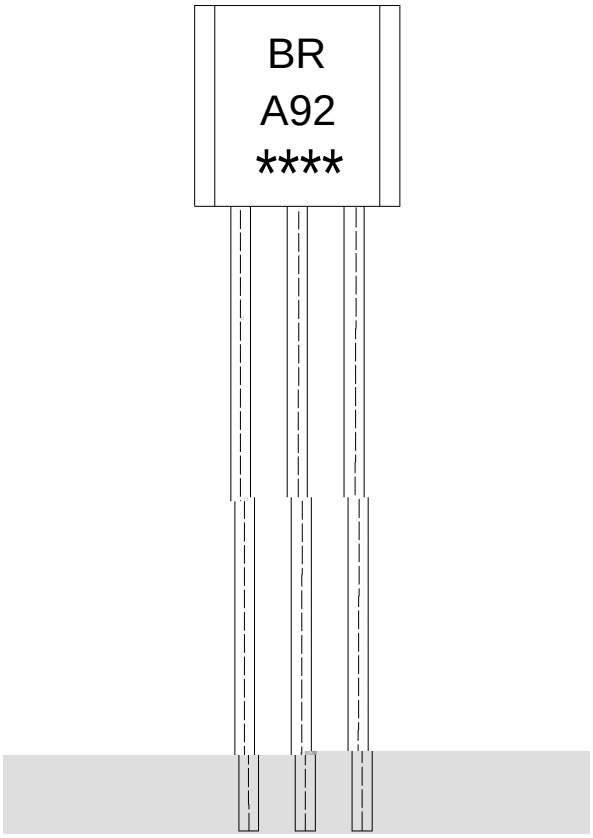
fT – Ic



## / Package Dimensions



## / Marking Instructions




Note:

| | |
|---|---|
| BR: | Company Code. |
| A92: | Product Type. |
| ****: | Lot No. Code,code change with Lot No. |