TO-92 PNP Silicon PNP transistor in a TO-92 Plastic Package.

,

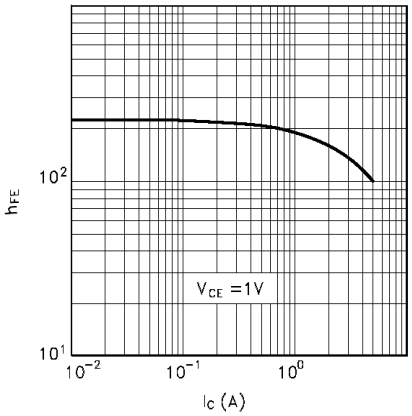
High $I_C$ ,low $V_{CE(sat)}$.

| Parameter | Symbol | Rating | Unit |
|---|---|---|---|
| Collector to Base Voltage | $V_{CBO}$ | -60 | V |
| Collector to Emitter Voltage | $V_{CEO}$ | -60 | V |
| Emitter to Base Voltage | $V_{EBO}$ | -5.0 | V |
| Collector Current - Continuous | $I_C$ | -3.0 | A |
| Peak Collector Current- Continuous | $I_{CM}$ | -6.0 | A |
| Collector Power Dissipation | $P_C$ | 0.9 | W |
| Junction Temperature | $T_j$ | 150 | |
| Storage Temperature Range | $T_{stg}$ | -55 150 | |

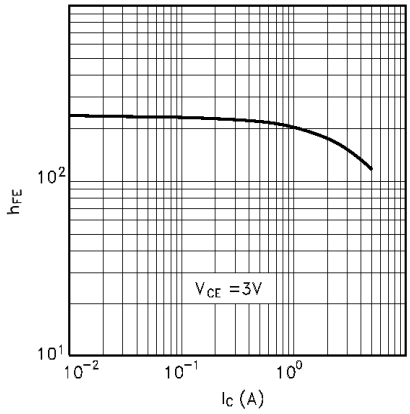
| Parameter | Symbol | Test Conditions | Min | Typ | Max | Unit |
|---|---|---|---|---|---|---|
| Collector to Base Breakdown Voltage | $V_{CBO}$ | $I_C$=-100 A $I_E$=0 | -60 | | | V |
| Collector to Emitter Breakdown Voltage* | *$V_{CEO}$ | $I_C$=-10mA $I_B$=0 | -60 | | | V |
| Emitter to Base Breakdown Voltage | $V_{EBO}$ | $I_E$=-100 A $I_C$=0 | -5.0 | | | V |
| Collector Cut-Off Current | $I_{CBO}$ | $V_{CB}$=-30V $I_E$=0 | | | -0.1 | A |
| Emitter Cut-Off Current | $I_{EBO}$ | $V_{EB}$=-4.0V $I_C$=0 | | | -1.0 | A |
| DC Current Gain | *$h_{FE(1)}$ | $V_{CE}$=-2.0V $I_C$=-500mA | 100 | 200 | 300 | |
| | *$h_{FE(2)}$ | $V_{CE}$=-2.0V $I_C$=-10mA | 100 | 200 | | |

## / Electrical Characteristic Curve

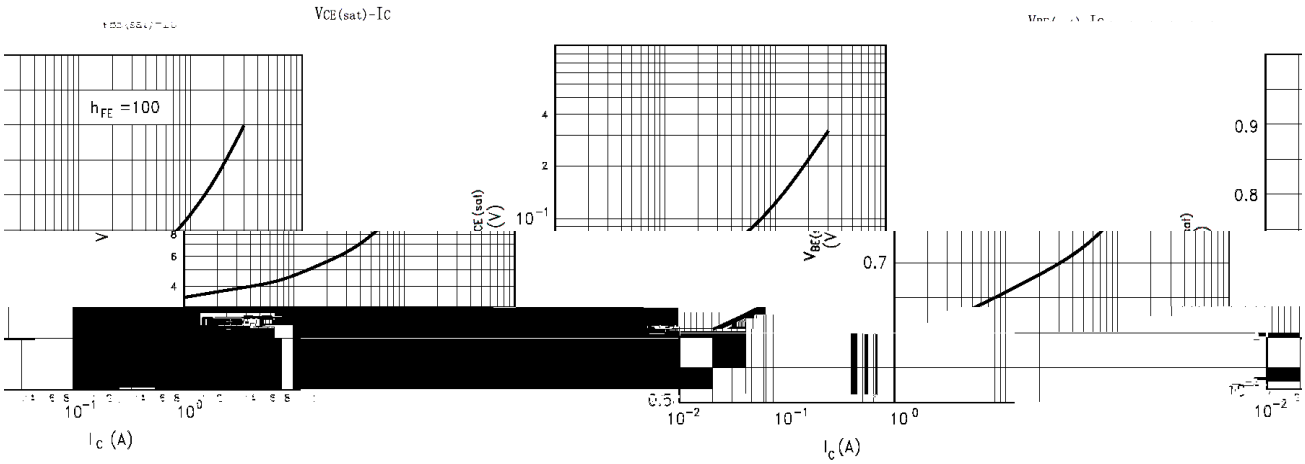
hFE-Ic



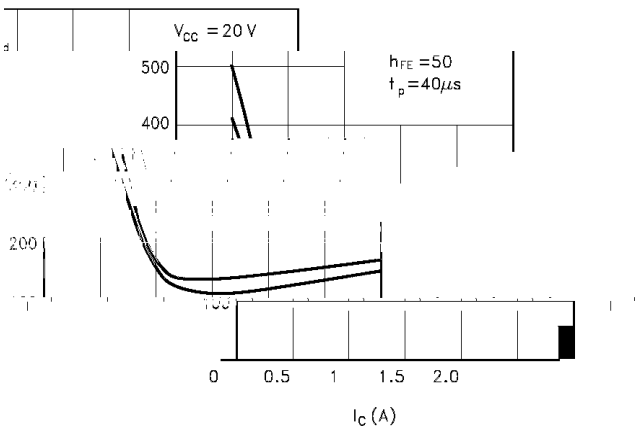

hFE-Ic



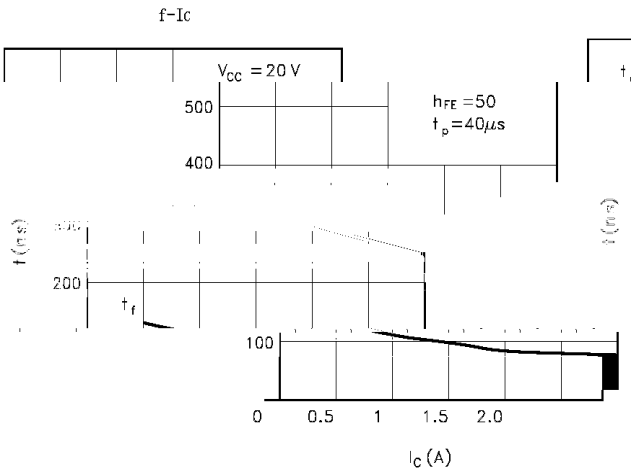

$V_{CE(sat)}$-Ic




f-Ic

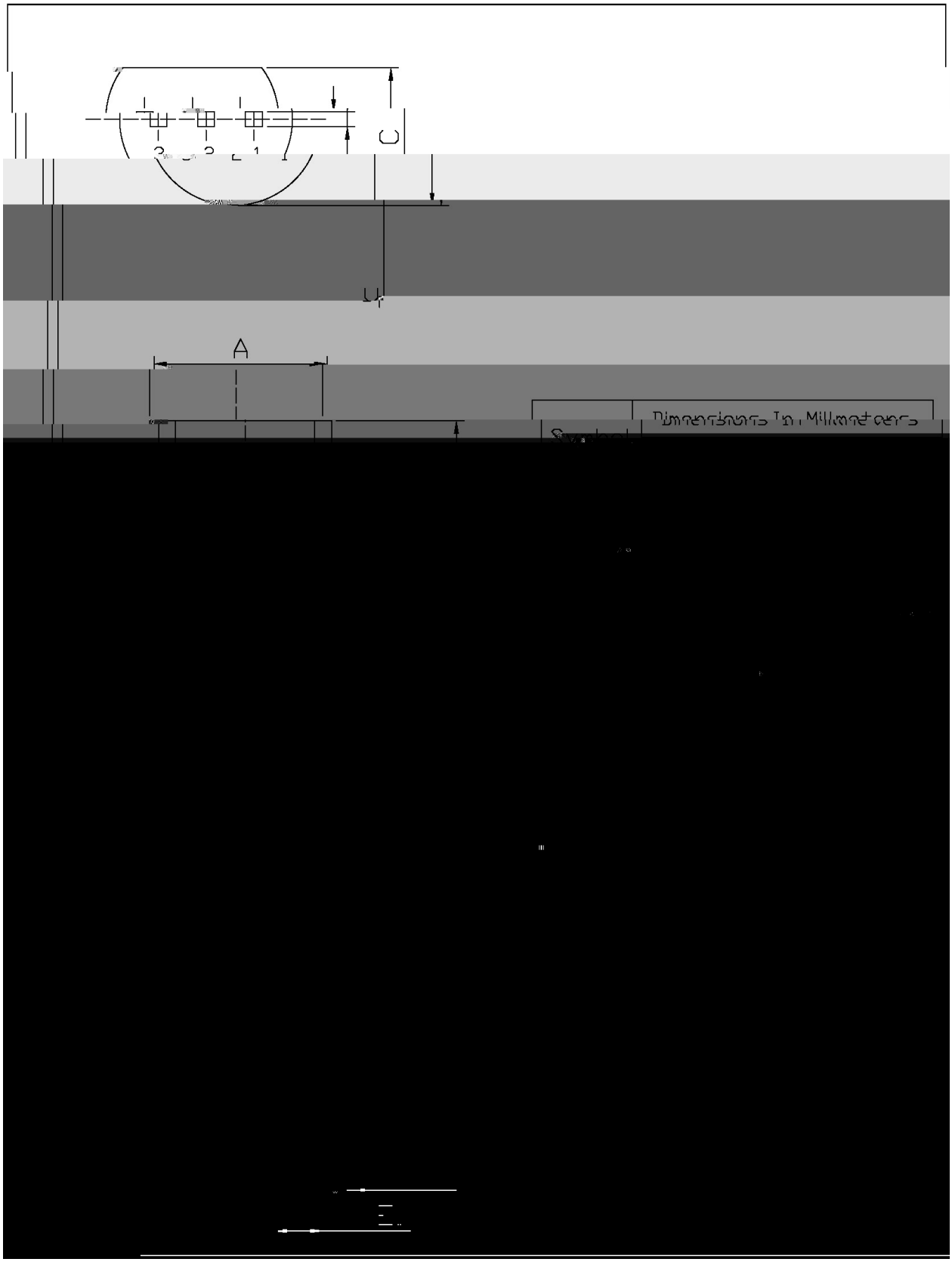



f-Ic

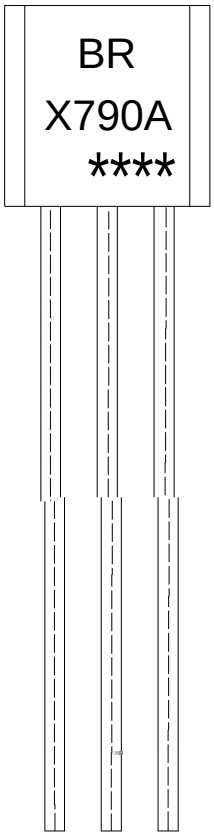


## / Package Dimensions

TO-92 Unit: mm



## / Marking Instructions




BR:

X790A

****

Note:

| | |
|---|---|
| BR: | Company Code. |
| X790A: | Product Type. |
| ****: | Lot No. Code,code change with Lot No. |