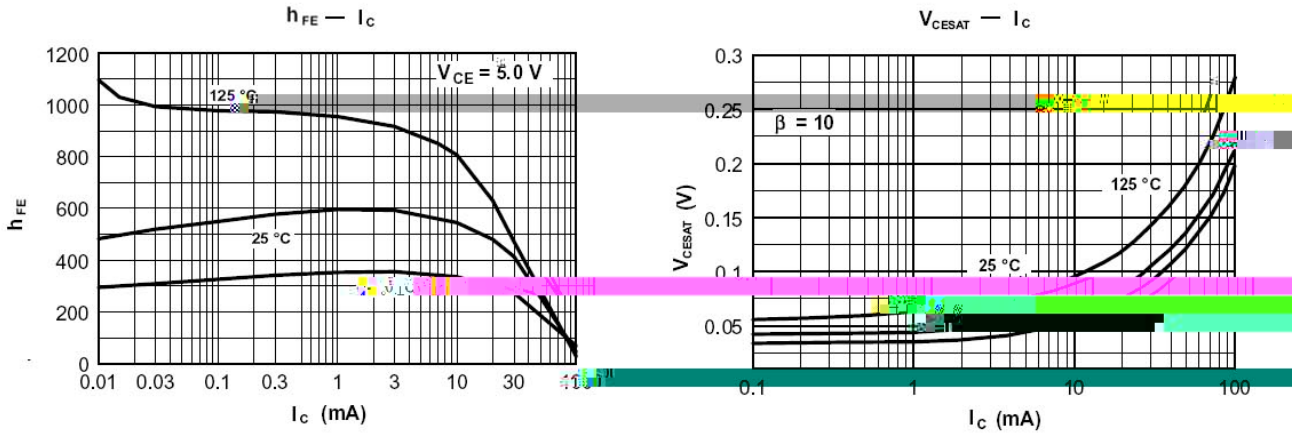
TO-92 NPN Silicon NPN transistor in a TO-92 Plastic Package.

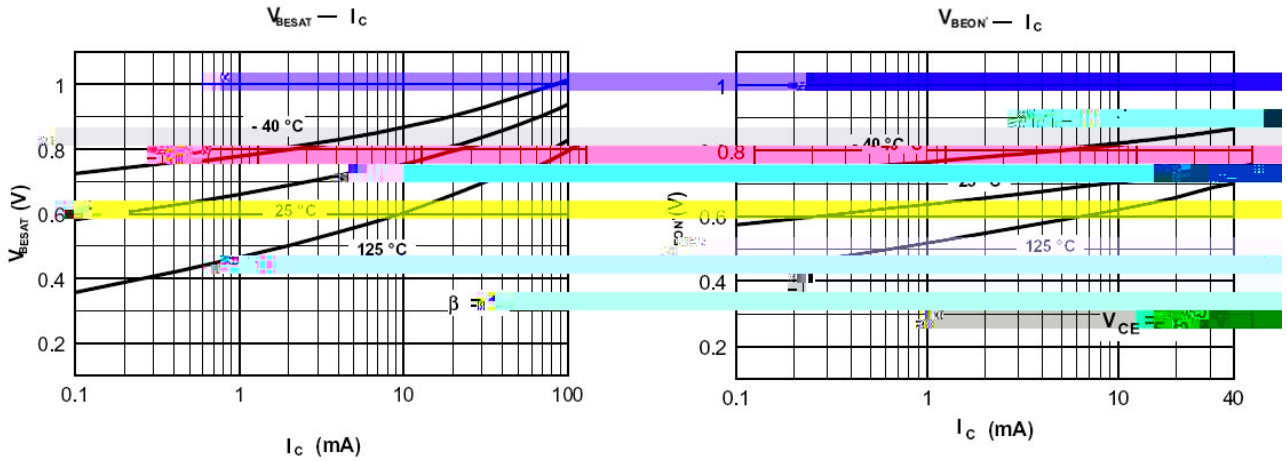
Low noise, high gain.

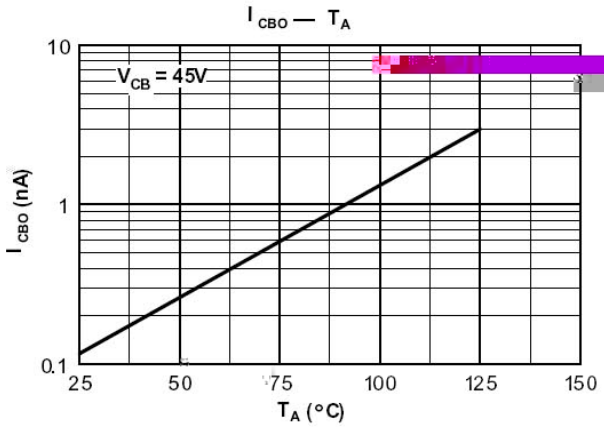
1uA 50uA

This device is designed for general purpose amplifier applications at collector currents from 1μA to 50μ

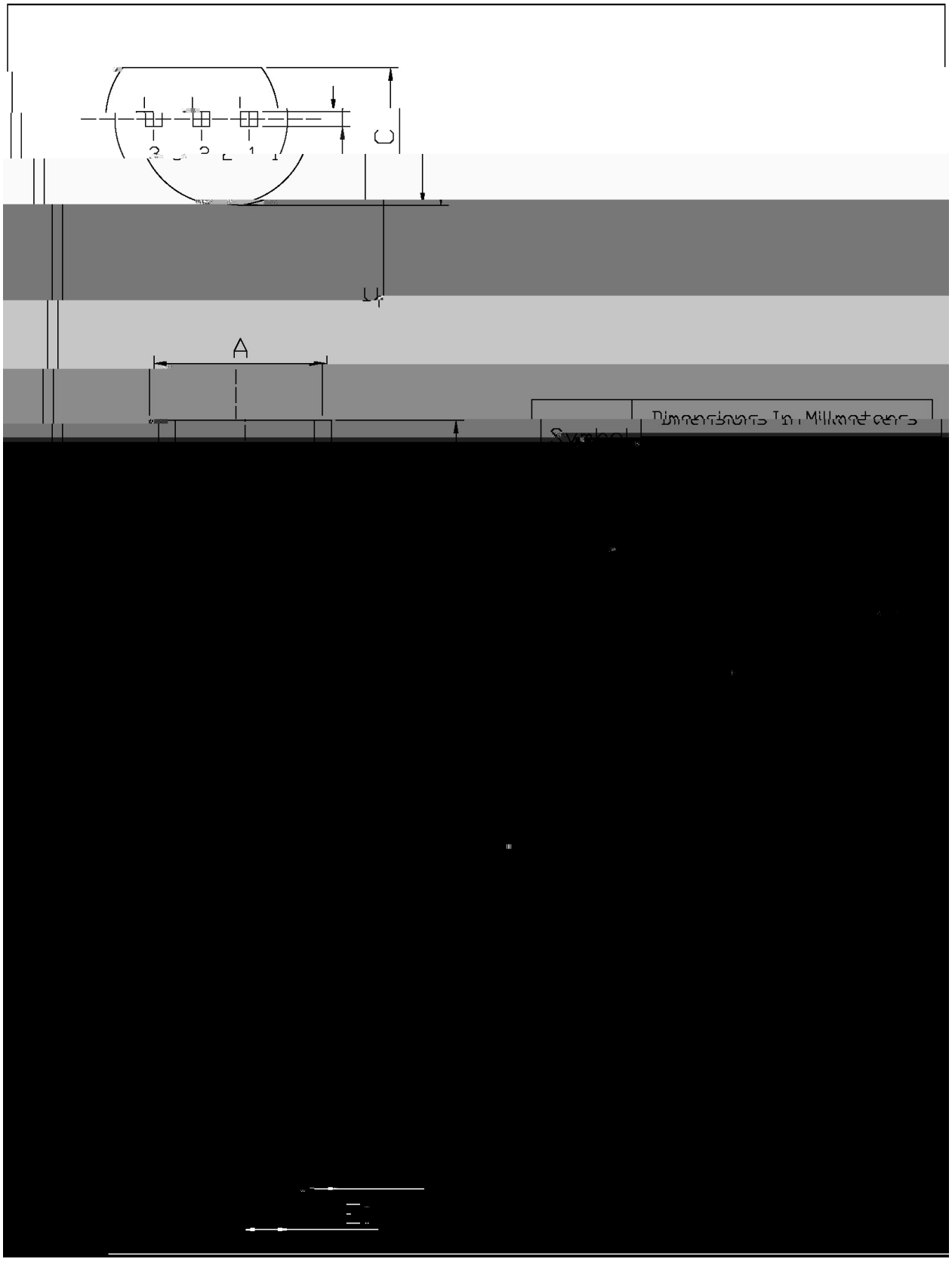
| Parameter | Symbol | Rating | Unit |
|---|---|---|---|
| Collector to Base Voltage | $V_{CBO}$ | 35 | V |
| Collector to Emitter Voltage | $V_{CEO}$ | 30 | V |
| Emitter to Base Voltage | $V_{EBO}$ | 4.5 | V |
| Collector Current - Continuous | $I_C$ | 100 | mA |
| Collector Power Dissipation | P | | |

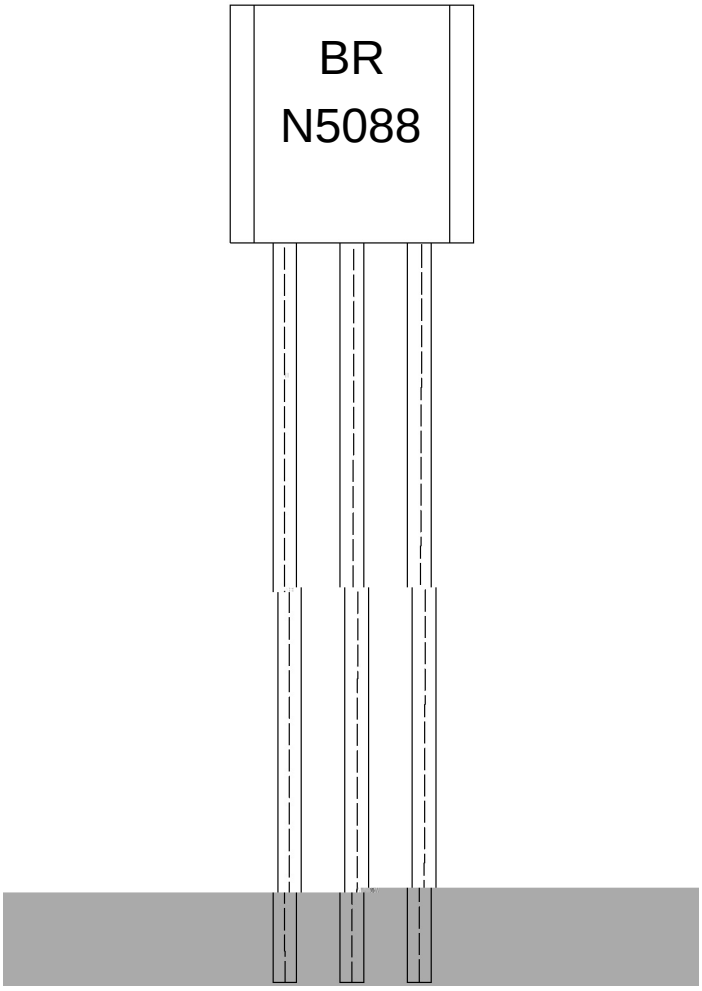

h FE — I C
V CE = 5.0 V
125 °C
25 °C
h FE
I C (mA)
V CESAT — I C
β = 10
125 °C
25 °C
V CESAT (V)
I C (mA)


V BESAT — I C
- 40 °C
25 °C
125 °C
β =
V BESAT (V)
I C (mA)
V BEON — I C
125 °C
V CE =
V BEON (V)
I C (mA)


I CBO — T A
V CB = 45V
I CBO (nA)
T A (°C)

TO-92 Unit: mm




BR
N5088

| | |
|---|---|
| 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 2 10 /sec. | 3. Cooling Speed: 2~10 /sec. |

270±5 10±1 sec. Temp.:270±5 Time:10±1 sec

/ BULK

| Package Type | Units | | | | | Dimension | | (unit mm3) |
|---|---|---|---|---|---|---|---|---|
| | Units/Bag / | Bags/Inner Box / | Units/Inner Box / | Inner Boxes/Outer Box / | Units/Outer Box / | Bag | Inner Box | Outer Box |
| TO-92 | 1,000 | 10 | 10,000 | 5 | 50,000 | 135×190 | 237×172×102 | 560×245×195 |
| | 1,000 | 10 | 10,000 | 10 | 100,000 | 135×190 | 237×172×102 | 560×245×375 |

/ AMMO

| Package Type | Units | | | | | Dimension | (unit mm3) |
|---|---|---|---|---|---|---|---|
| | Units/tape / | Tape/Inner Box / | Rows/Inner Box / | Inner Boxes/Outer Box / | Units/Outer Box / | Inner Box | Outer Box |
| TO-92 | 3,000 | 1 | 120 | 10 | 30,000 | 328×230×42 | 480×346×235<br>547×407×268 |