## / Descriptions

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

## / Features

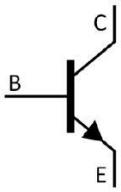
MPSA92

High voltage low saturation, low collector output capacitance, complementary pair with MPSA92.

## / Applications

High voltage control circuit.

## / Equivalent Circuit




## / Pinning



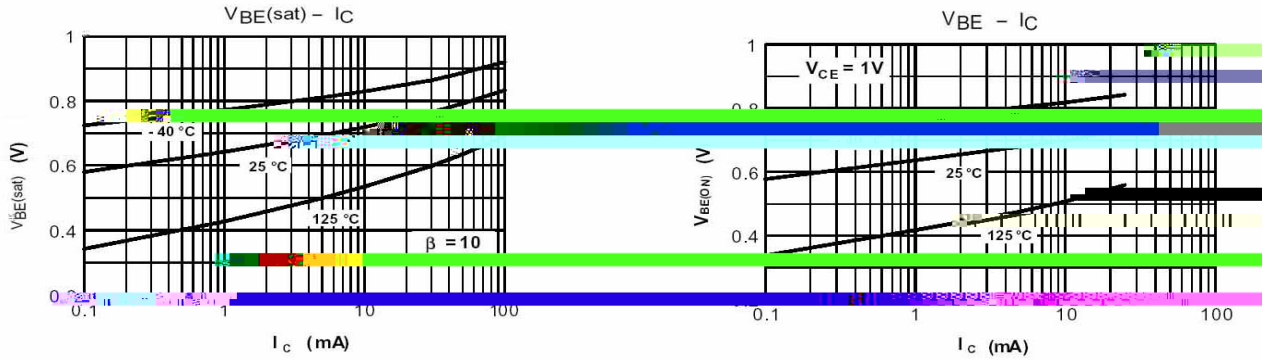

PIN1 Collector PIN 2 Base PIN 3 Emitter

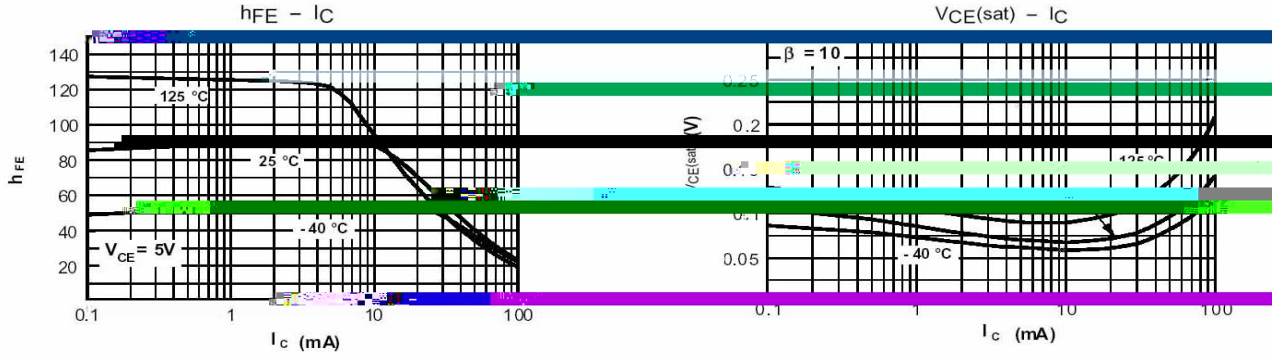
## / hFE Classifications & Marking

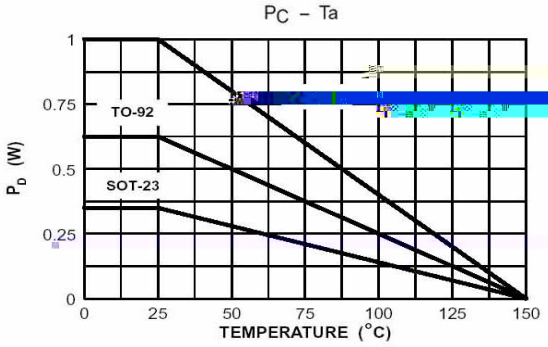
See Marking Instructions.

| Parameter | Symbol | Rating | |
|---|---|---|---|
| | V<sub>C</sub> | | |
| | V | | |

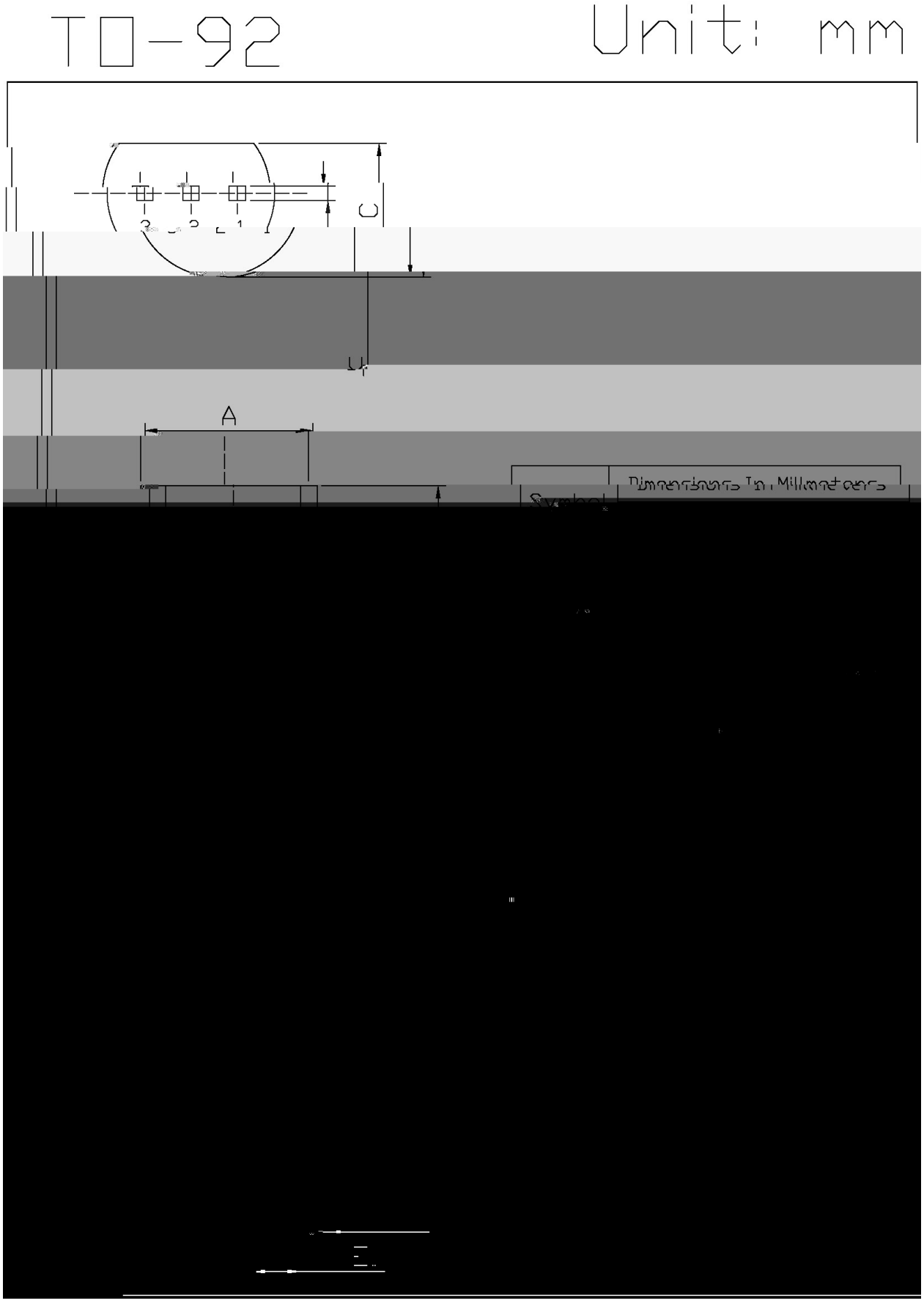
## / Electrical Characteristic Curve



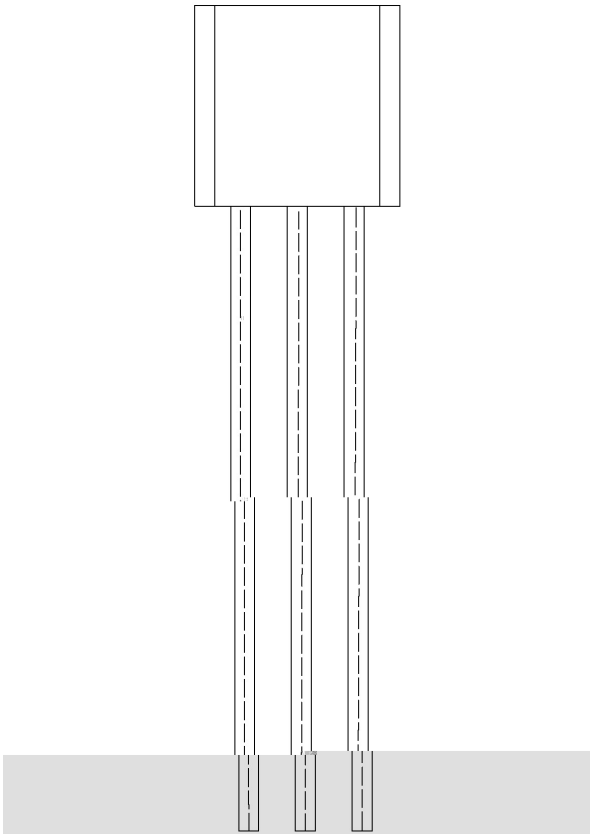



## / Package Dimensions



## / Marking Instructions



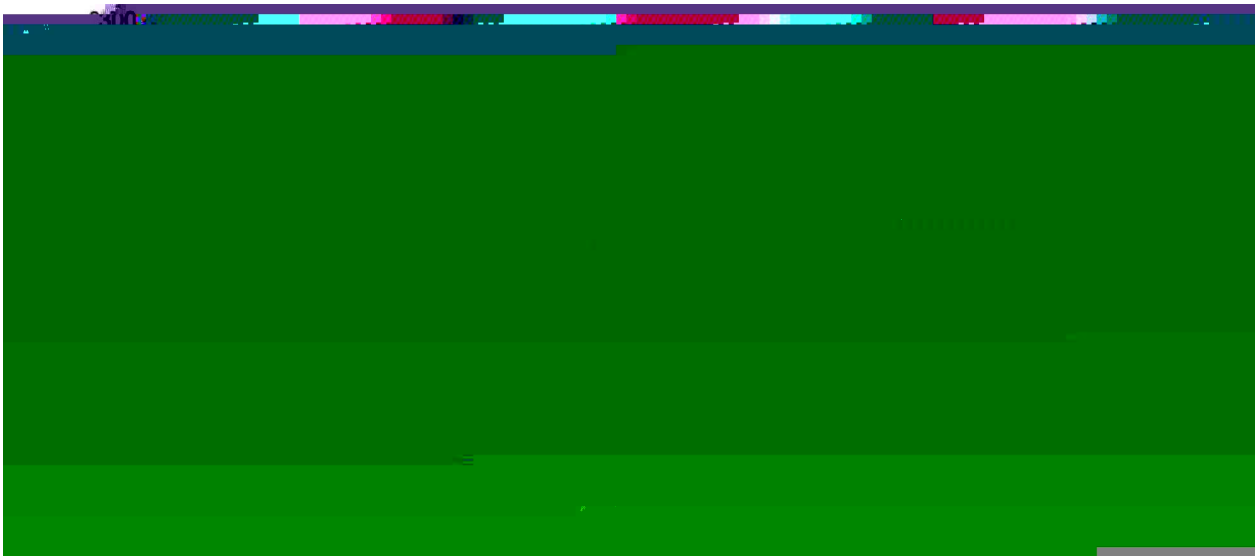
BR:

A42

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Note:

## ( ) / Temperature Profile for Dip Soldering(Pb-Free)



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

## / Resistance to Soldering Heat Test Conditions

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

## / Packaging SPEC.

### / 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 |

## / Notices