## / Descriptions

WR0<5 ṂṂ Ƀ SQS ÆṀ ч s ‖ ㄱ Silicon PNP transistor in a TO-92 Plastic Package.

## / Features

лъ NVF<78 Ӣ ´

Complementary pair with KSC945.

## / Applications

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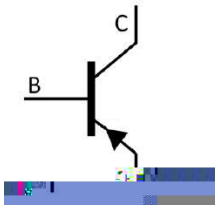
Low frequency amplifier applications.

## / Equivalent Circuit




## / Pinning

PIN1 χ Collector PIN 2 χ Base PIN 3 χ Emitter

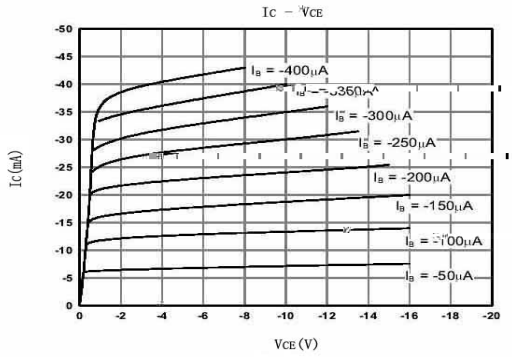
## / hFE Classifications & Marking

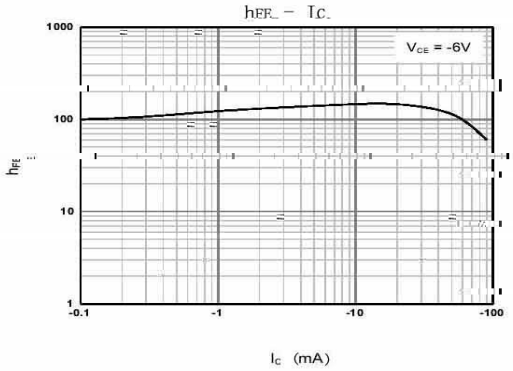
| $h_{FE}$ Classifications Symbol | R | O | Y | G | L |
|---|---|---|---|---|---|
| $h_{FE}$ Range | 40~80 | 70~140 | 120~140 | 200~400 | 350~700 |

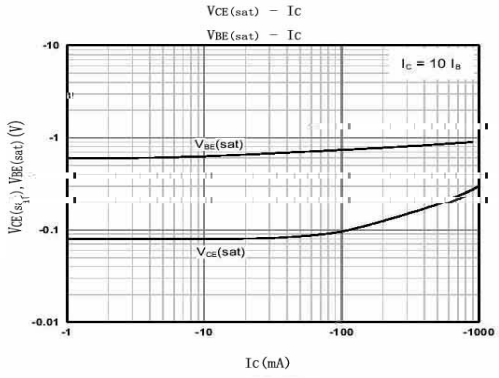
| v ‴Ω<br>Parameter | ↰ N<br>Symbol | ‴Ω Ö<br>Rating | D Ђ<br>Unit |
|---|---|---|---|
| Collector to Base Voltage | $V_{CBO}$ | -60 | V |
| Collector to Emitter Voltage | $V_{CEO}$ | -50 | V |
| Emitter to Base Voltage | $V_{EBO}$ | -5.0 | V |
| Collector Current - Continuous | $I_C$ | -150 | mA |
| Collector Power Dissipation | $P_C$ | 250 | mW |
| Junction Temperature | $T_j$ | 150 | |
| Storage Temperature Range | $T_{stg}$ | -55 150 | |

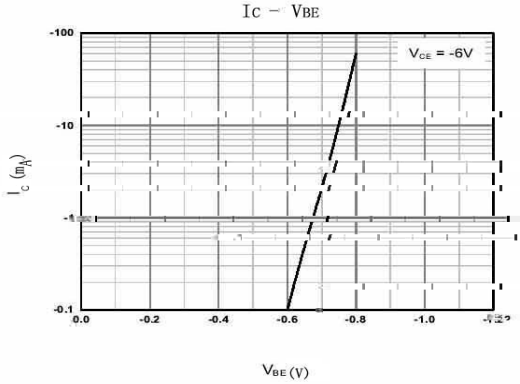
| v ‴Ω<br>Parameter | ↰ N<br>Symbol | ⍦ ⁝ ⍞ ⍧ |
|---|---|---|

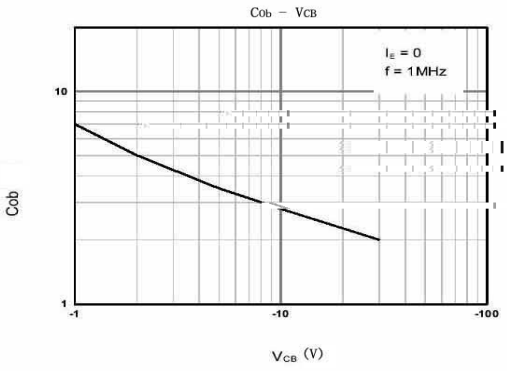
## / Electrical Characteristic Curve

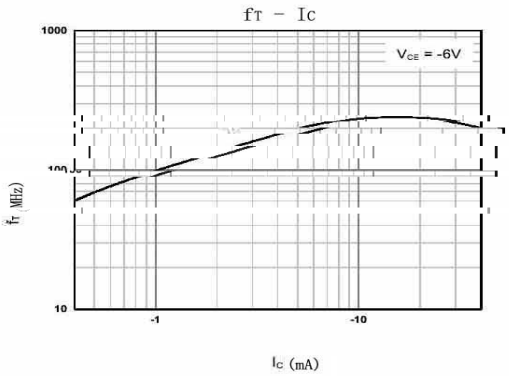


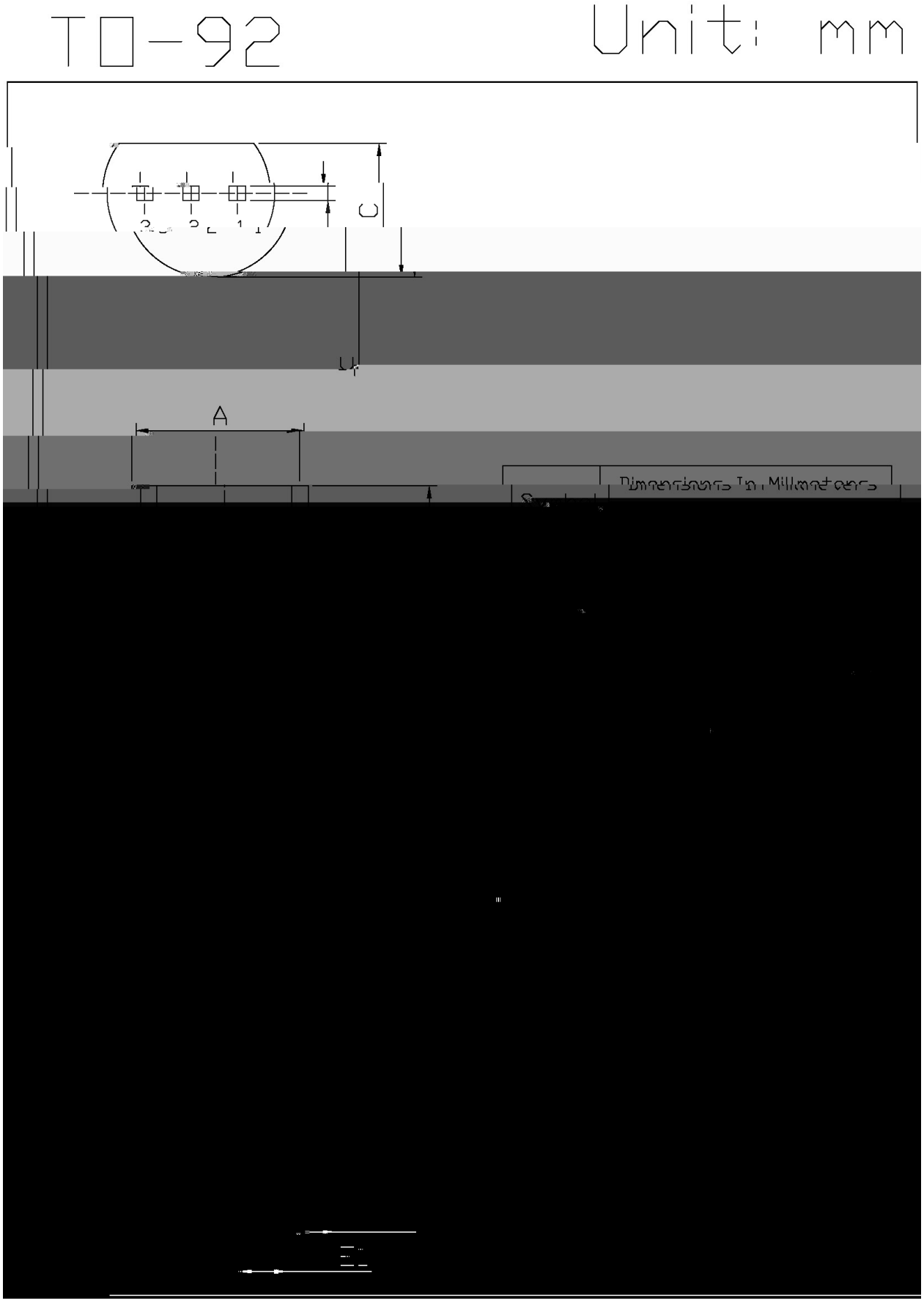



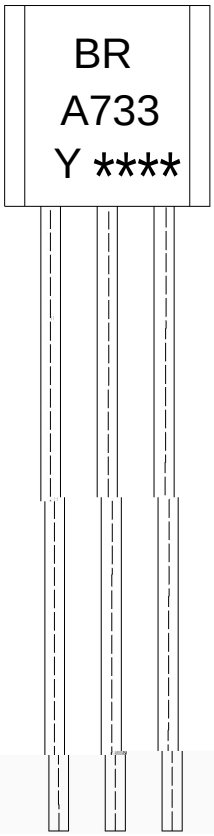



## / Package Dimensions



## / Marking Instructions

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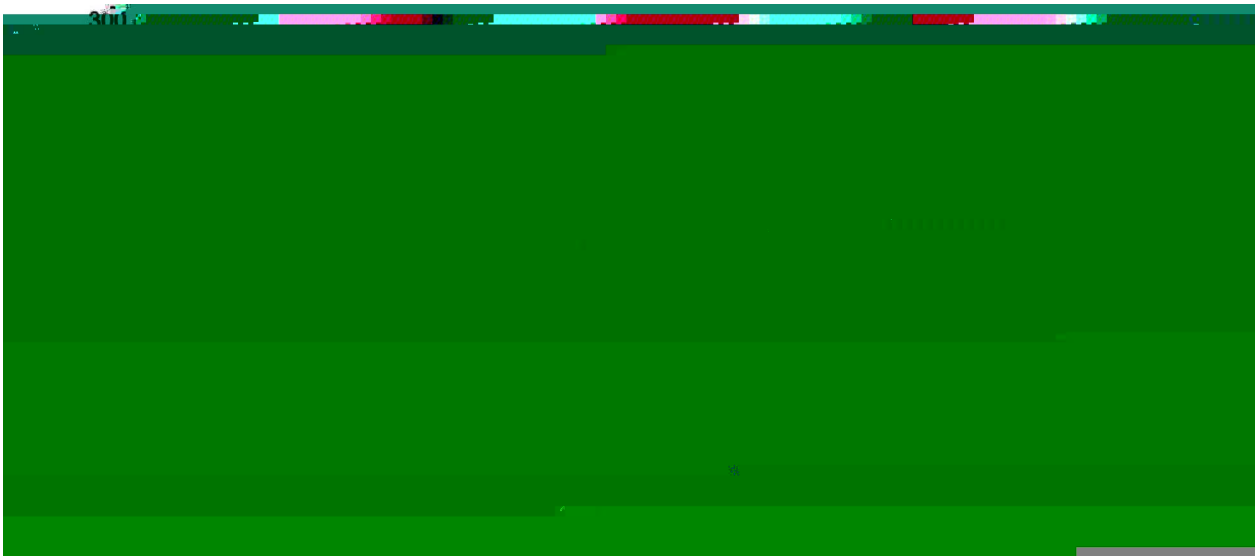
Note:

| | |
|---|---|
| BR: | Company Code. |
| A733: | Product Type. |
| Y: | $h_{FE}$ Classifications Symbol |
| ****: | Lot No. Code,code change with Lot No. |

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



ب ˝ χ

1 Ĺ ♬ □ ỷ 25 Ḱ 150 ɬ ı ̀H ڑ 60 Ḱ 90sec;

2 Š Ө □ ỷ 255 ° 5 ɬ ı ̀H ڑ ̀Y ﾍ ᠷ 5 ° 0.5sec;

3 ì ˙ ϒ ˛ ɔ ᡐ ỷ ᠷ 2 Ḱ 10 ɬ /sec.

Note:

1.Preheating:25~150 ɬ , Time:60~90sec.

2.Peak Temp.:255 ° 5 ɬ , Duration:5 ° 0.5sec.

3. Cooling Speed: 2~10 ɬ /sec.

## / Resistance to Soldering Heat Test Conditions

□ ỷ χ 270 ° 5 ɬ ̀H ڑ χ 10 ° 1 sec. Temp:270±5 Time:10±1 sec

## / Packaging SPEC.

̈Ω ţ ɣ Ь / 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 |

ﾍ Ṿ ɣ Ь / 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