

# 2SC1360(A)

Rev.E Mar.-2016

## / Descriptions

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

## / Features

High  $f_T$ , large  $P_C$ .

## / Applications

Picture IF amplifier.

## / Equivalent Circuit



## / Pinning



PIN1   Base          PIN 2   Collector          PIN 3   Emitter

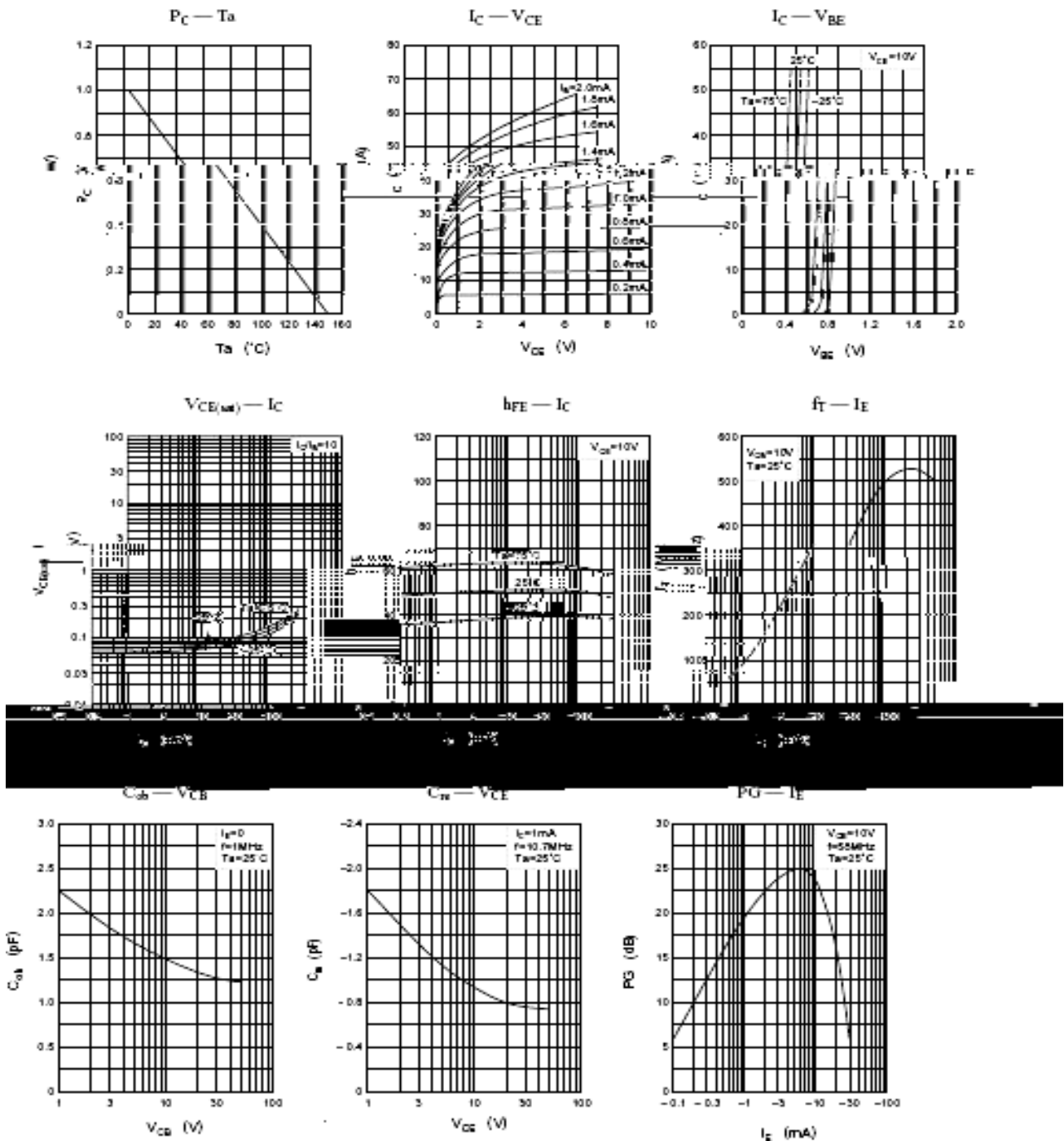
## / $h_{FE}$ Classifications & Marking

See Marking Instructions.

| Parameter                      | Symbol    |          | Rating  | Unit |
|--------------------------------|-----------|----------|---------|------|
| Collector to Base Voltage      | $V_{CBO}$ | 2SC1360  | 50      | V    |
|                                |           | 2SC1360A | 60      |      |
| Collector to Emitter Voltage   | $V_{CEO}$ | 2SC1360  | 45      | V    |
|                                |           | 2SC1360A | 60      |      |
| Emitter to Base Voltage        | $V_{EBO}$ |          | 4.0     | V    |
| Collector Current - Continuous | $I_C$     |          | 50      | mA   |
| Collector Power Dissipation    | $P_C$     |          | 1.0     | W    |
| Junction Temperature           | $T_j$     |          | 150     |      |
| Storage Temperature Range      | $T_{stg}$ |          | -55 150 |      |

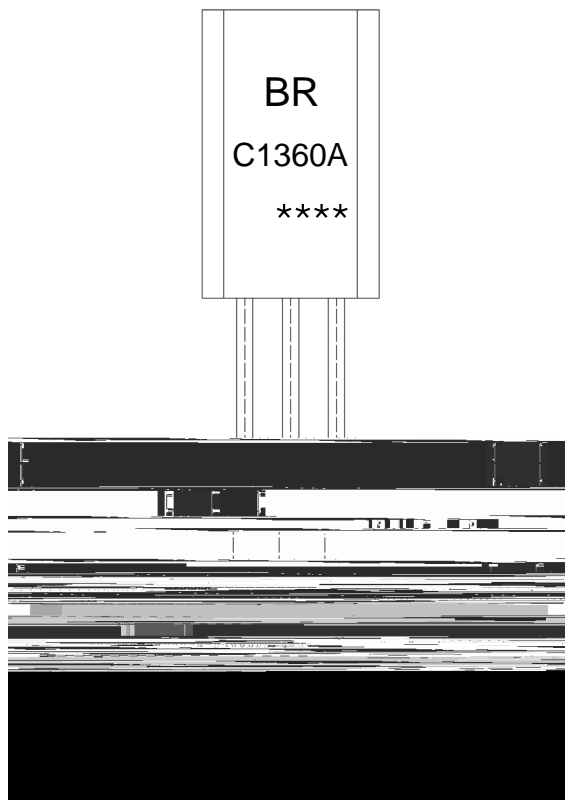
| Parameter                           | Symbol    | Test Conditions                              | Min  | Typ | Max  | Unit |
|-------------------------------------|-----------|--|------|-----|------|------|
| Collector to Base Breakdown Voltage | $V_{CBO}$ | 2SC1360<br>$I_C = -10\text{ mA}$ , $I_E = 0$ | 46.9 | 50  | 67.8 | V    |

/ Electrical Characteristic Curve



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/ Marking Instructions



BR:

C1360A

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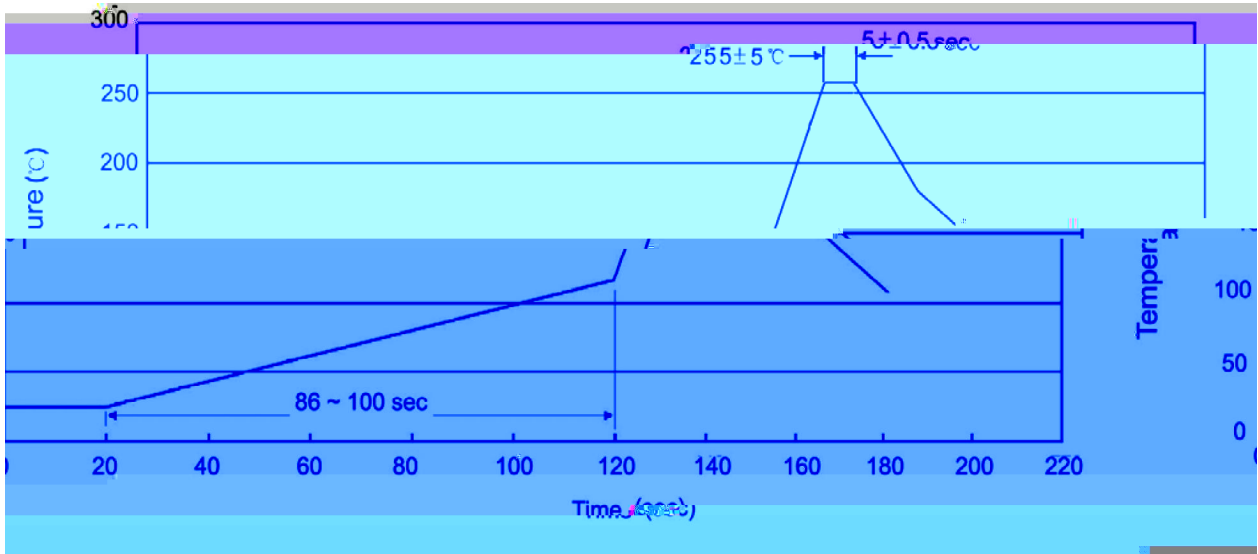
Note:

BR: Company Code.

C1360A: Product Type.

\*\*\*\*: Lot No. Code,code change with Lot No.

( ) / 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       |           | Units           |                 | Dimensions            |                 |     |
|--------------|-----------|-----------------|-----------------|-----------------------|-----------------|-----|
| Package Type | Units/Bag | Packs/Inner Box | Units/Inner Box | Inner Boxes/Outer Box | Units/Outer Box | mm3 |
| 袋            | 袋         | 盒               | 盒               | 箱                     | 箱               |     |
| 袋            | 袋         | 盒               | 盒               | 箱                     | 箱               |     |