

### / Descriptions

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

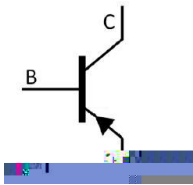
### / Features

High breakdown voltage, small reverse transfer capacitance and excellent high frequency characteristic.

### / Applications

Color TV chrome output and high breakdown voltage driver.

### / Equivalent Circuit



### / Pinning



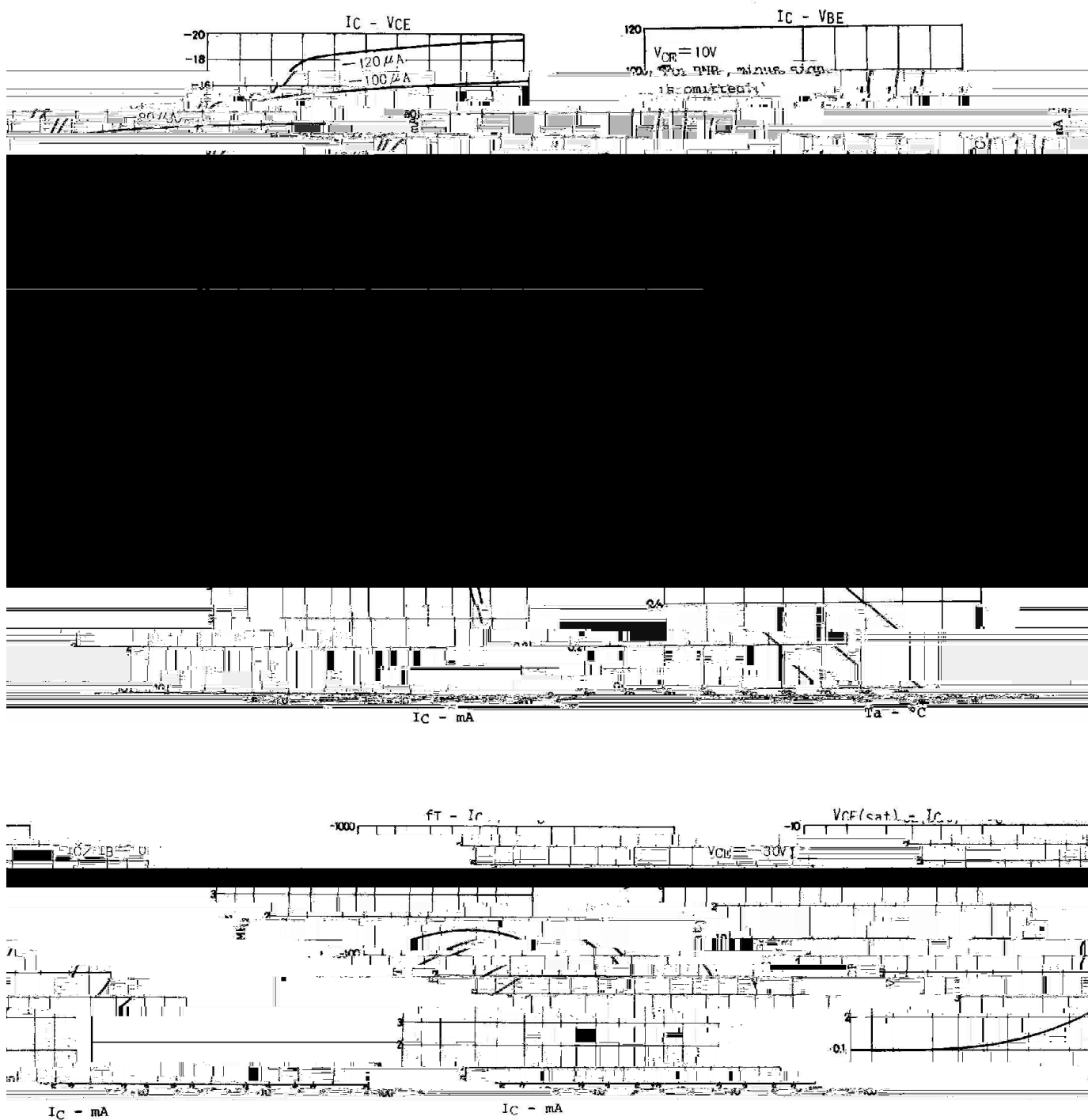
PIN1    Base          PIN 2    Collector          PIN 3    Emitter

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

| $h_{FE}$ Classifications<br>Symbol | C     | D      | E       | F       |
|------------------------------------|-------|--------|---------|---------|
| $h_{FE}$ Range                     | 40~80 | 60~120 | 100~200 | 160~320 |

| Parameter                 | Symbol | Rating | Unit |
|---------------------------|--------|--------|------|
| Collector to Base Voltage | V      |        |      |

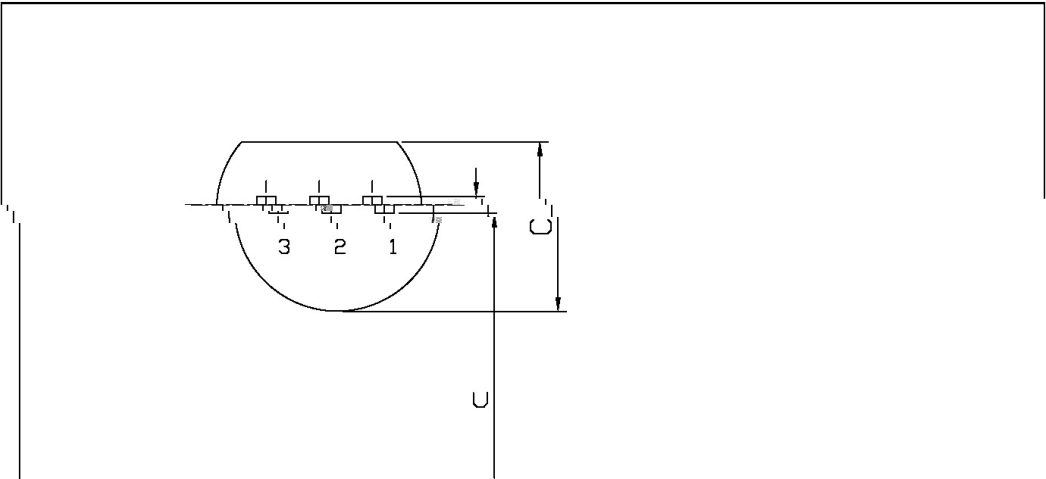
/ Electrical Characteristic Curve



/ Package Dimensions

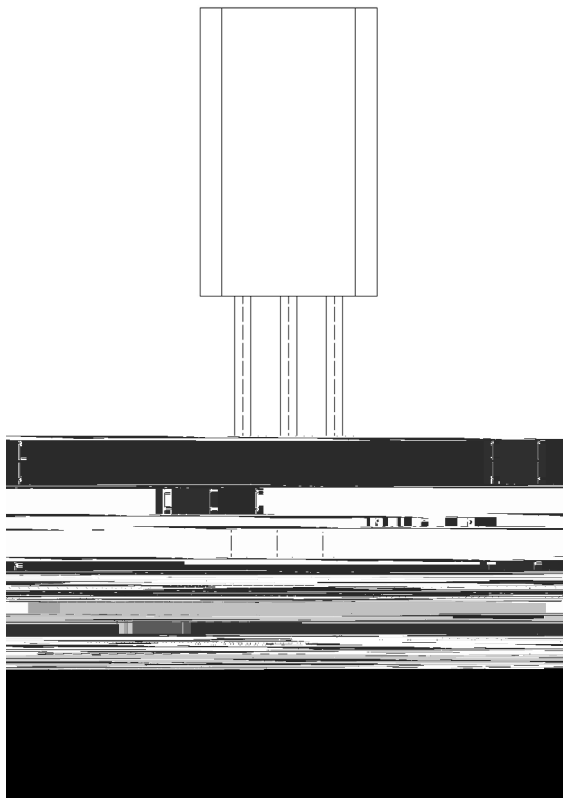
TO-92LM

Unit: mm



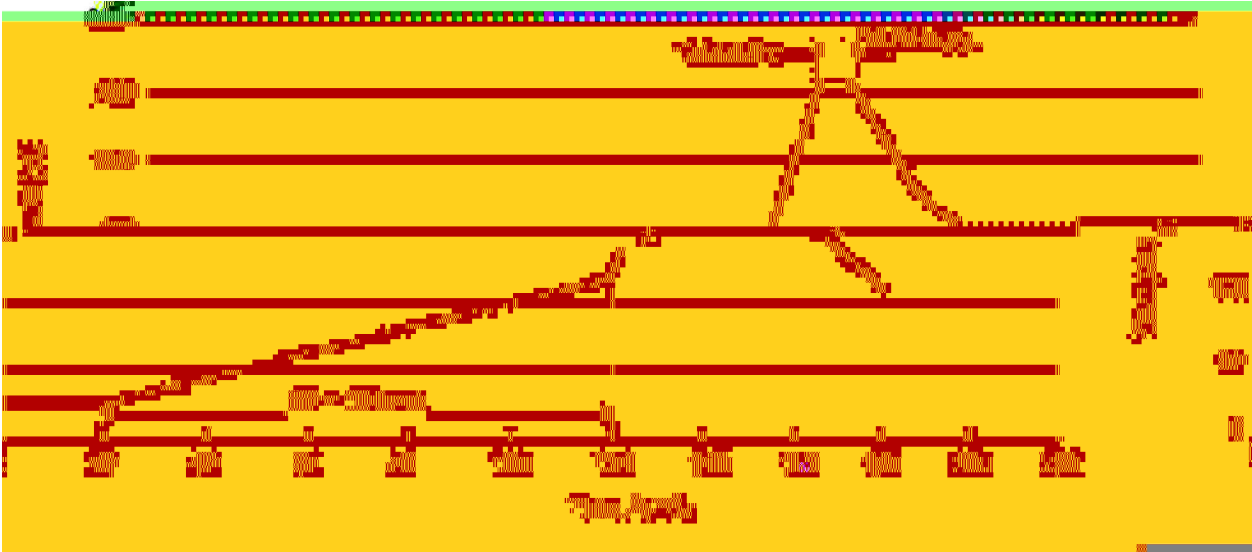
| Symbol | Dimensions In Millimeters |     |
|--------|---------------------------|-----|
|        | Min                       | Max |
| A      | 4.7                       | 5.1 |
| B      | 1.2                       | 1.6 |
| C      | 1.2                       | 1.6 |
| D      | 1.2                       | 1.6 |
| E      | 1.2                       | 1.6 |
| F      | 1.2                       | 1.6 |
| G      | 1.2                       | 1.6 |
| H      | 1.2                       | 1.6 |
| I      | 1.2                       | 1.6 |
| J      | 1.2                       | 1.6 |
| K      | 1.2                       | 1.6 |
| L      | 1.2                       | 1.6 |
| M      | 1.2                       | 1.6 |
| N      | 1.2                       | 1.6 |
| O      | 1.2                       | 1.6 |
| P      | 1.2                       | 1.6 |
| Q      | 1.2                       | 1.6 |
| R      | 1.2                       | 1.6 |
| S      | 1.2                       | 1.6 |
| T      | 1.2                       | 1.6 |
| U      | 1.2                       | 1.6 |
| V      | 1.2                       | 1.6 |
| W      | 1.2                       | 1.6 |
| X      | 1.2                       | 1.6 |
| Y      | 1.2                       | 1.6 |
| Z      | 1.2                       | 1.6 |

**/ Marking Instructions**



BR:  
A1370  
C:

(     ) / 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.                      Tf0.56D935.8(5(.7150))TJ/TT7                      1                      Tf314.9486                      0