

**/ Descriptions**

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

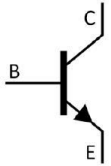
**/ Features**

Low noise and high power gain.

**/ Applications**

low noise amplifier at VHF, UHF and CATV band applications.

**/ Equivalent Circuit**



**/ Pinning**



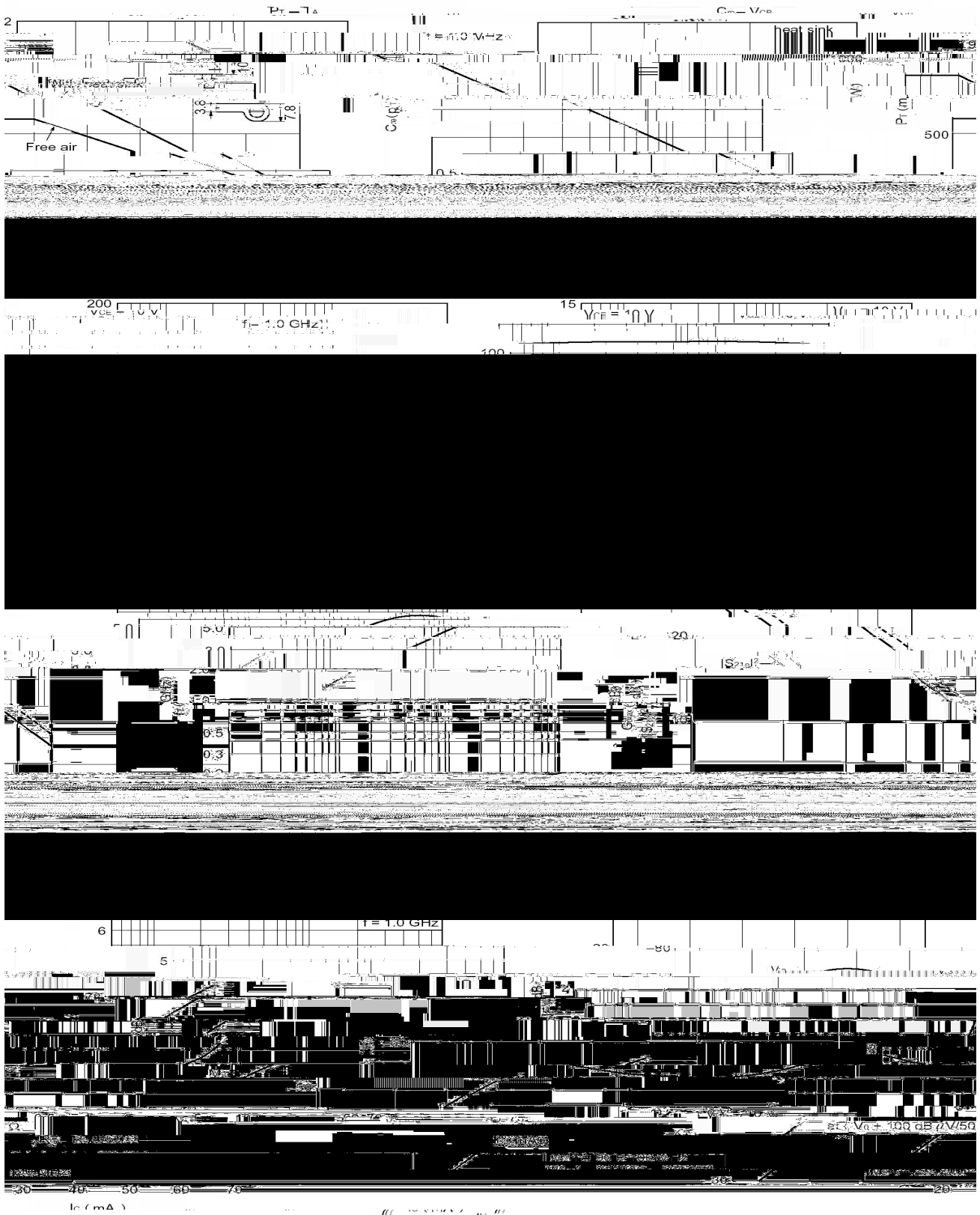
**1**      **2**      **3**  
PIN1 Base      PIN 2 Collector      PIN 3 Emitter

**/ hFE Classifications & Marking**

See Marking Instructions.

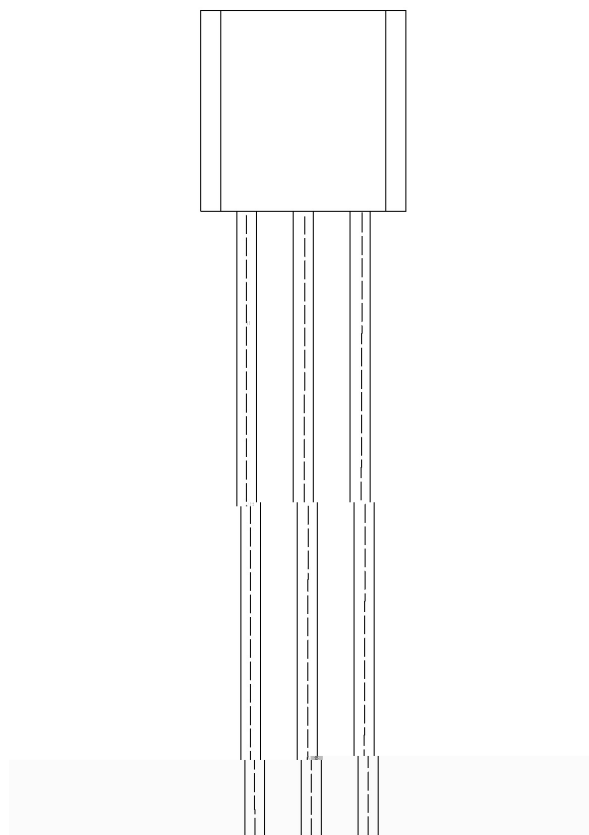


/ Electrical Characteristic Curve

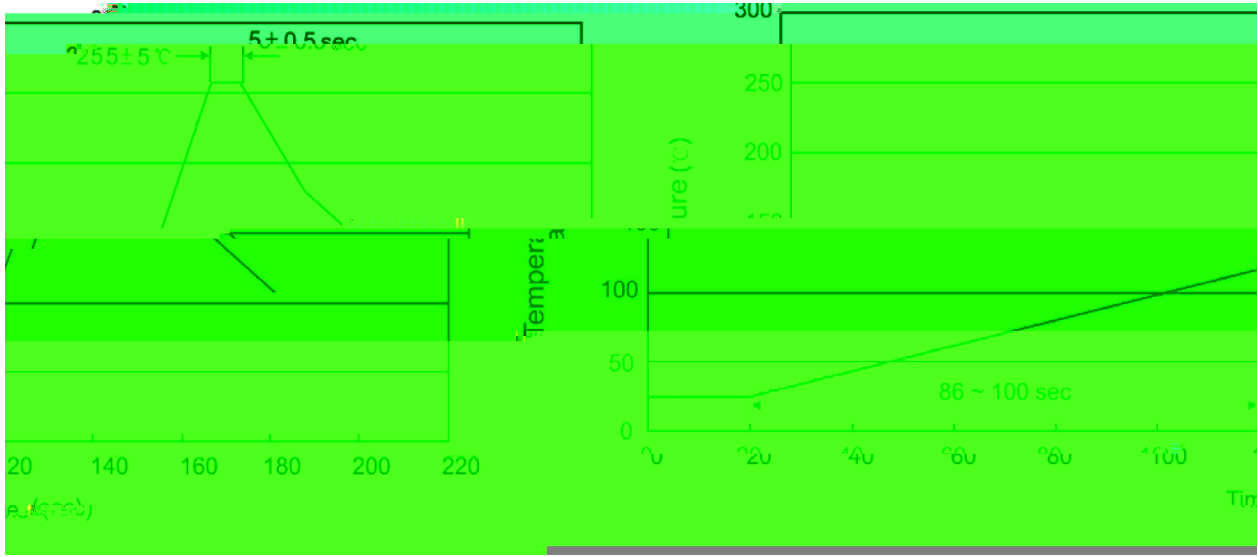




/ Marking Instructions



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



- |   |       |     |           |        |   |                                      |
|---|-------|-----|-----------|--------|---|--------------------------------------|
| 1 | 25    | 150 | 60        | 90sec; | Note:                                   | 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)
--------------	-------	-----------	------------