

**/ Descriptions**

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

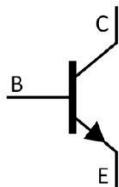
**/ Features**

High  $f_T$ .

**/ Applications**

1.0mA    30mA

Use as RF amplifiers, oscillators and multipliers with collector currents in the 1.0mA    30mA range.

**/ Equivalent Circuit****/ Pinning**

PIN1    Collector                      PIN 2    Base                      PIN 3    Emitter

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

See Marking Instructions.

# 2N5770

Rev.E Mar.-2016



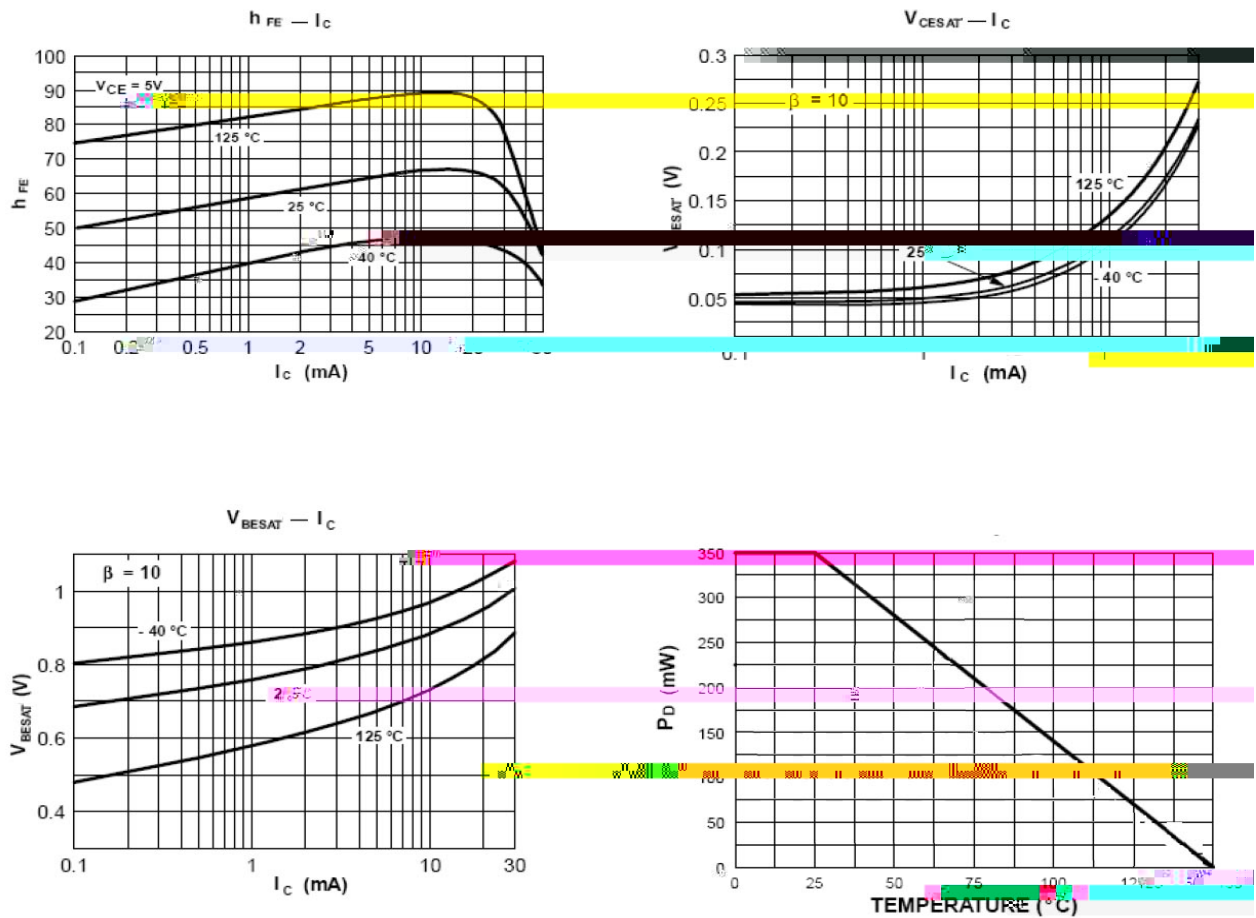
蓝箭电子  
BLUE ROCKET ELECTRONICS

DATA SHEET

| Parameter                      | Symbol    | Rating |
|--------------------------------|-----------|--------|
| Collector to Base Voltage      | $V_{CBO}$ | 30     |
| Collector to Emitter Voltage   | $V_{CEO}$ | 15     |
| Emitter to Base Voltage        | $V_{EBO}$ | 4.5    |
| Collector Current - Continuous | $I_C$     |        |
| Collector Power Dissipation    | $P_C$     |        |
| Junction Temperature           | $T_j$     |        |
| Storage Temperature Range      | $T_{stg}$ |        |

| Parameter                              | Symbol    | Test Condition     |
|----------------------------------------|-----------|--------------------|
| Collector to Base Breakdown Voltage    | $V_{CBO}$ | $I_C=1.0\text{ A}$ |
| Collector to Emitter Breakdown Voltage | $V_{CEO}$ | $I_C=3.0\text{mA}$ |
| Emitter to Base Breakdown Voltage      | $V_{EBO}$ | $I_E=10\text{ A}$  |

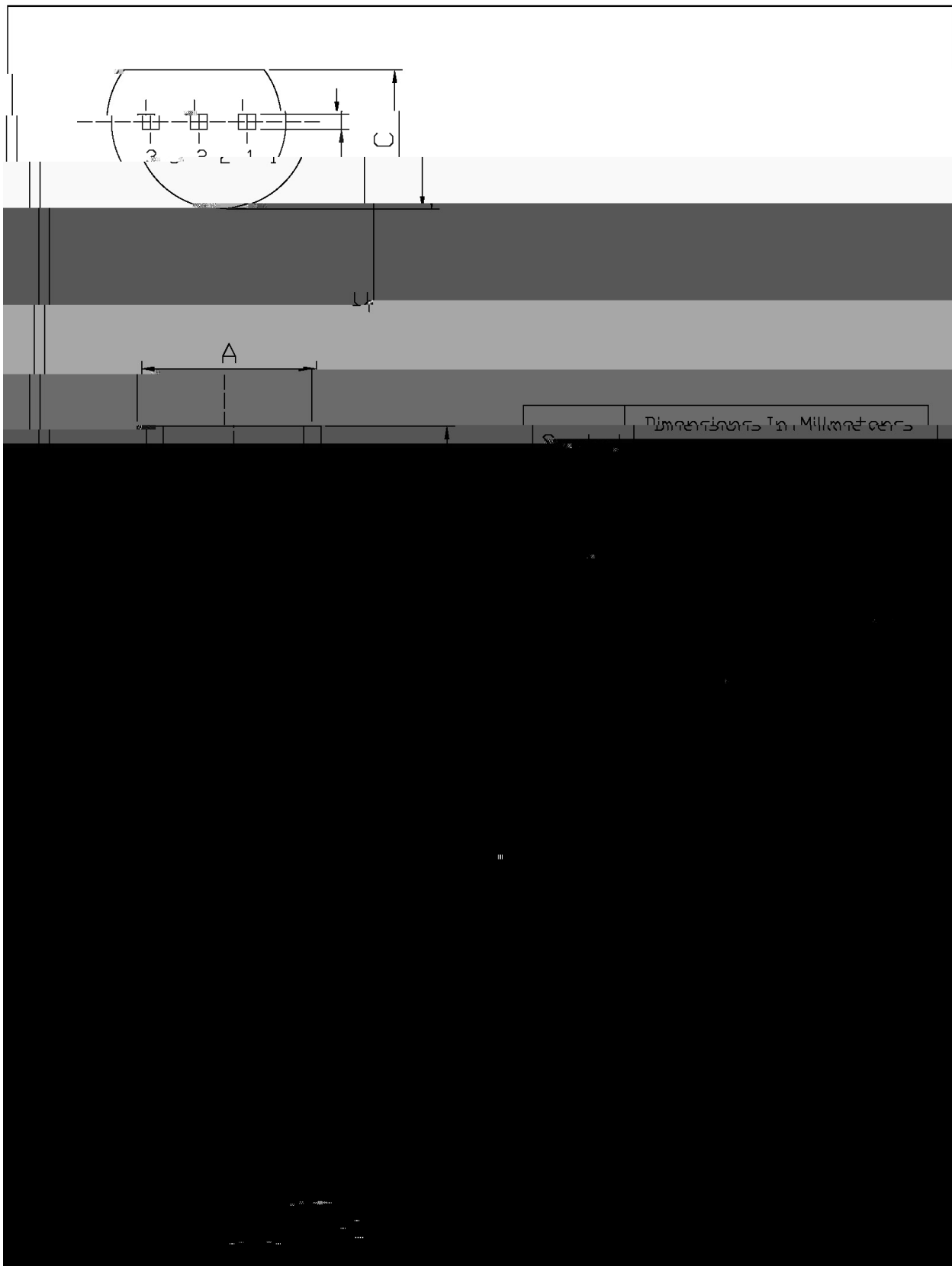
/ Electrical Characteristic Curve



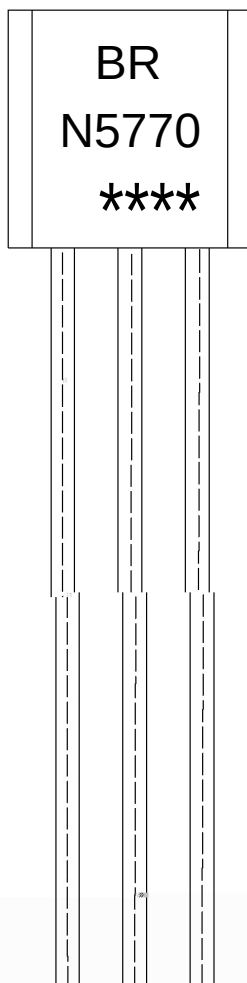
/ Package Dimensions

TO-92

Unit: mm



**/ Marking Instructions**



BR

N5770

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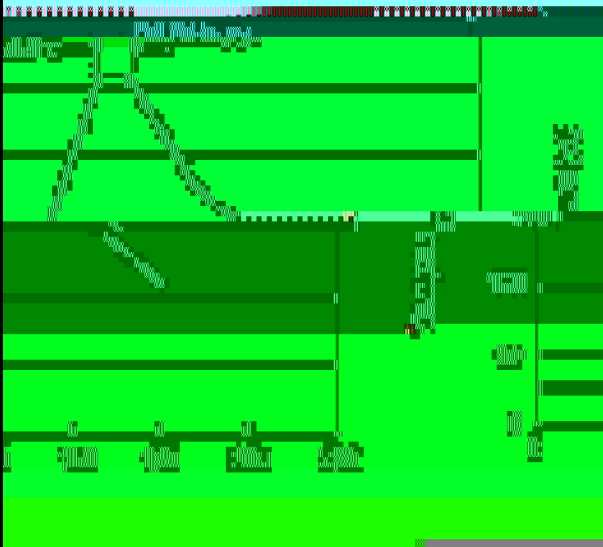
Note:

BR: Company Code.

N5770: Product Type.

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

### Dip Soldering(Pb-Free)



Note:

- 1.Preheating:25~150℃，Time:60~90sec.
- 2.Peak Temp.:255±5℃，Duration:5±0.5sec.
3. Cooling Speed: 2~10℃/sec.

### at Test Conditions

Temp.:270±5℃ Time:10±1 sec

|     |                 | Dimension |           | (unit mm3) |
|-----|-----------------|-----------|-----------|------------|
| Box | Units/Outer Box | Bag       | Inner Box | Outer Box  |