

/ Descriptions

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

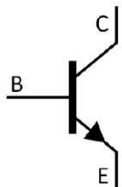
/ Features

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



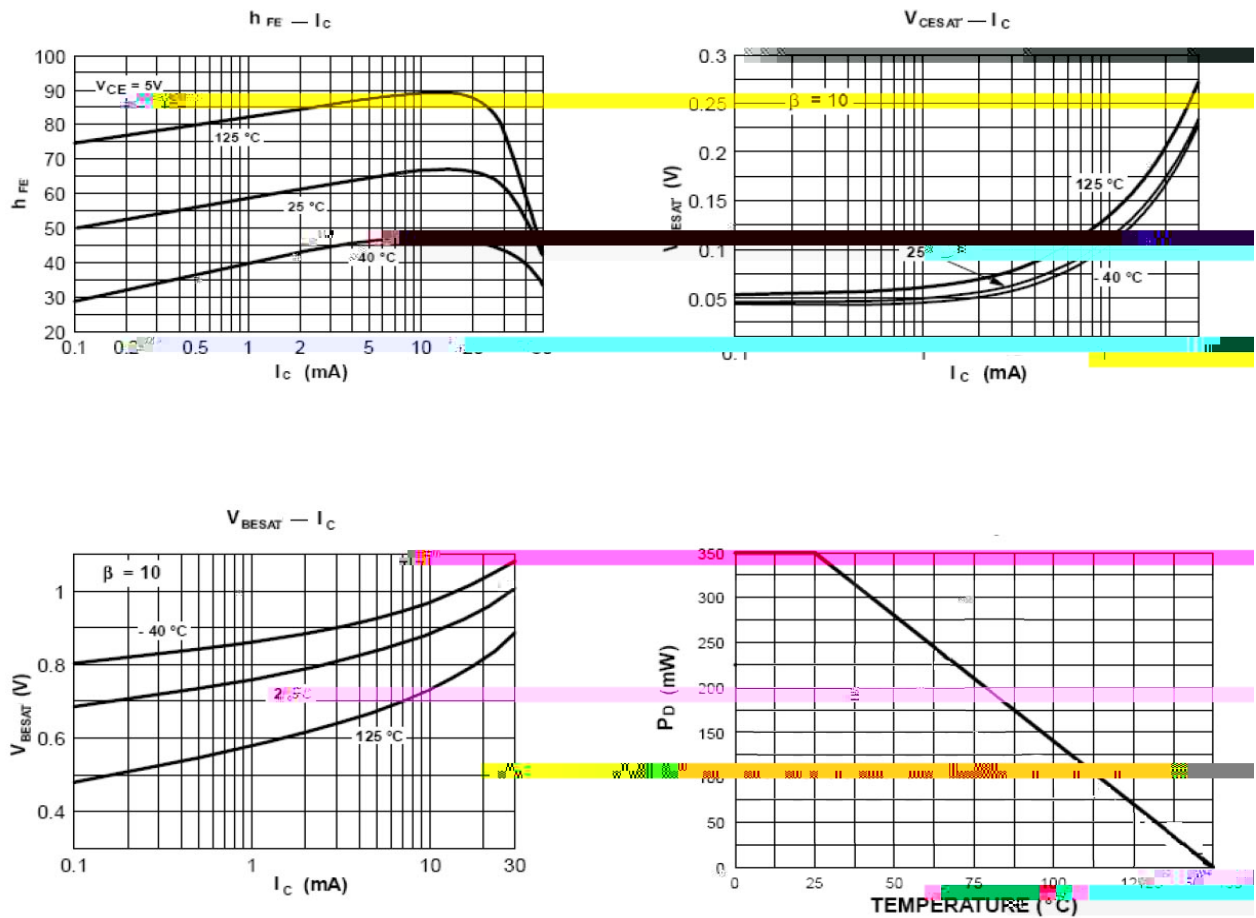
蓝箭电子
BLUE ROCKET ELECTRONICS

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	10
Collector Power Dissipation	P_C	100
Junction Temperature	T_j	150
Storage Temperature Range	T_{stg}	-55 to 150

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}	$I_E=10\text{ A}$

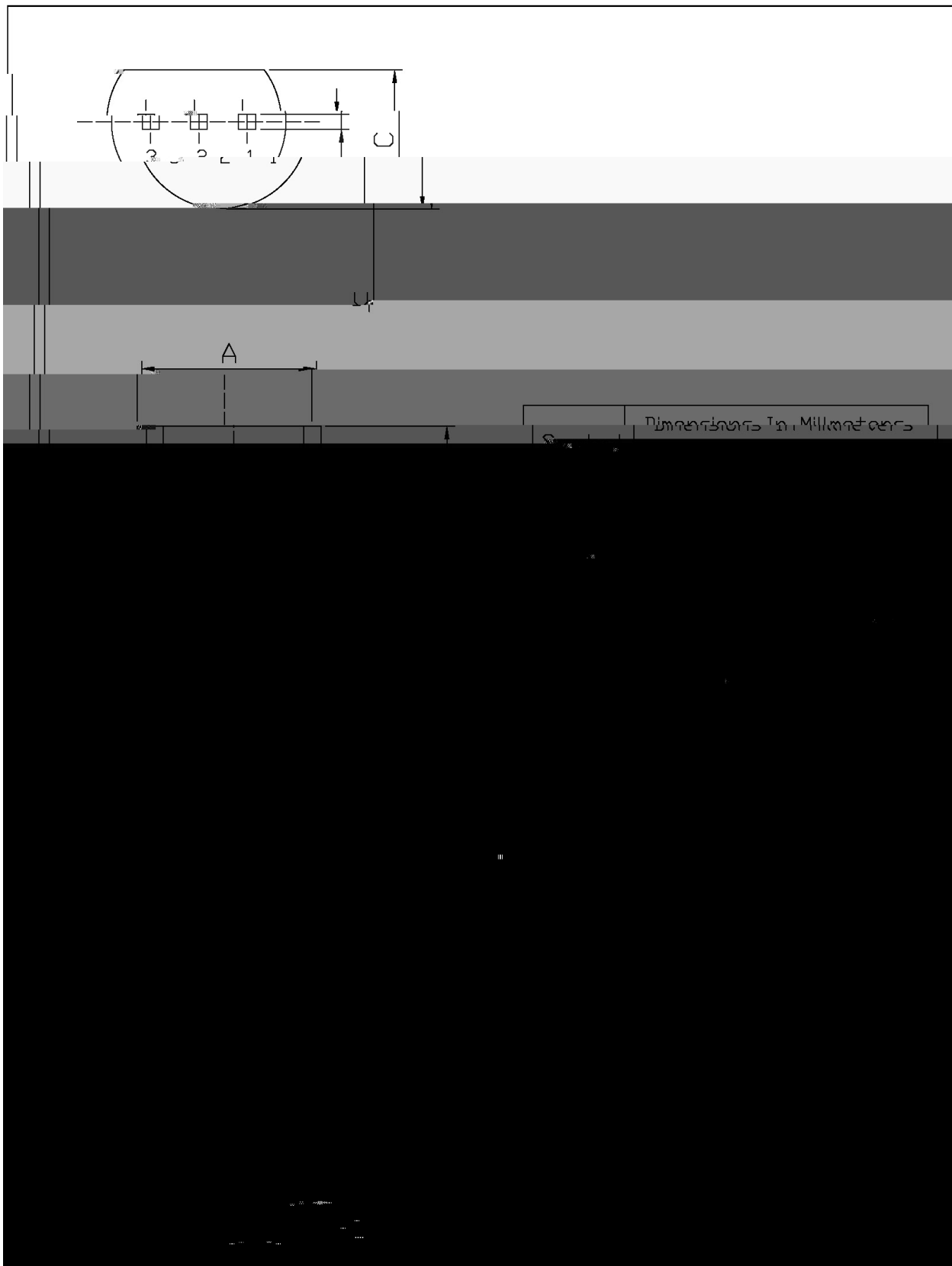
Electrical Characteristic Curve



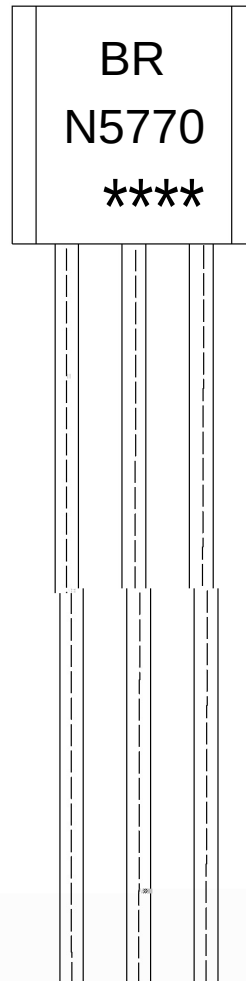
/ Package Dimensions

TO-92

Unit: mm



/ Marking Instructions



BR

N5770

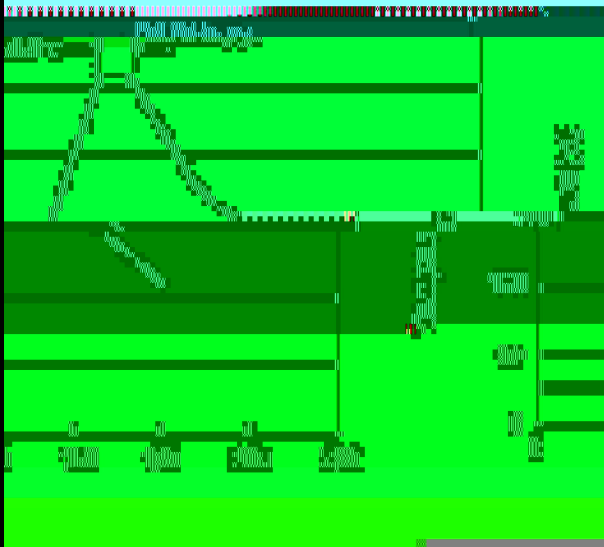
Note:

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