

/ Descriptions

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

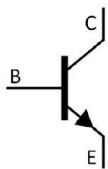
/ Features

High gain bandwidth ,small output capacitance, low noise figure.

/ Applications

FM/RF amplifier and local oscillator of FM tuner.

/ Equivalent Circuit



/ Pinning



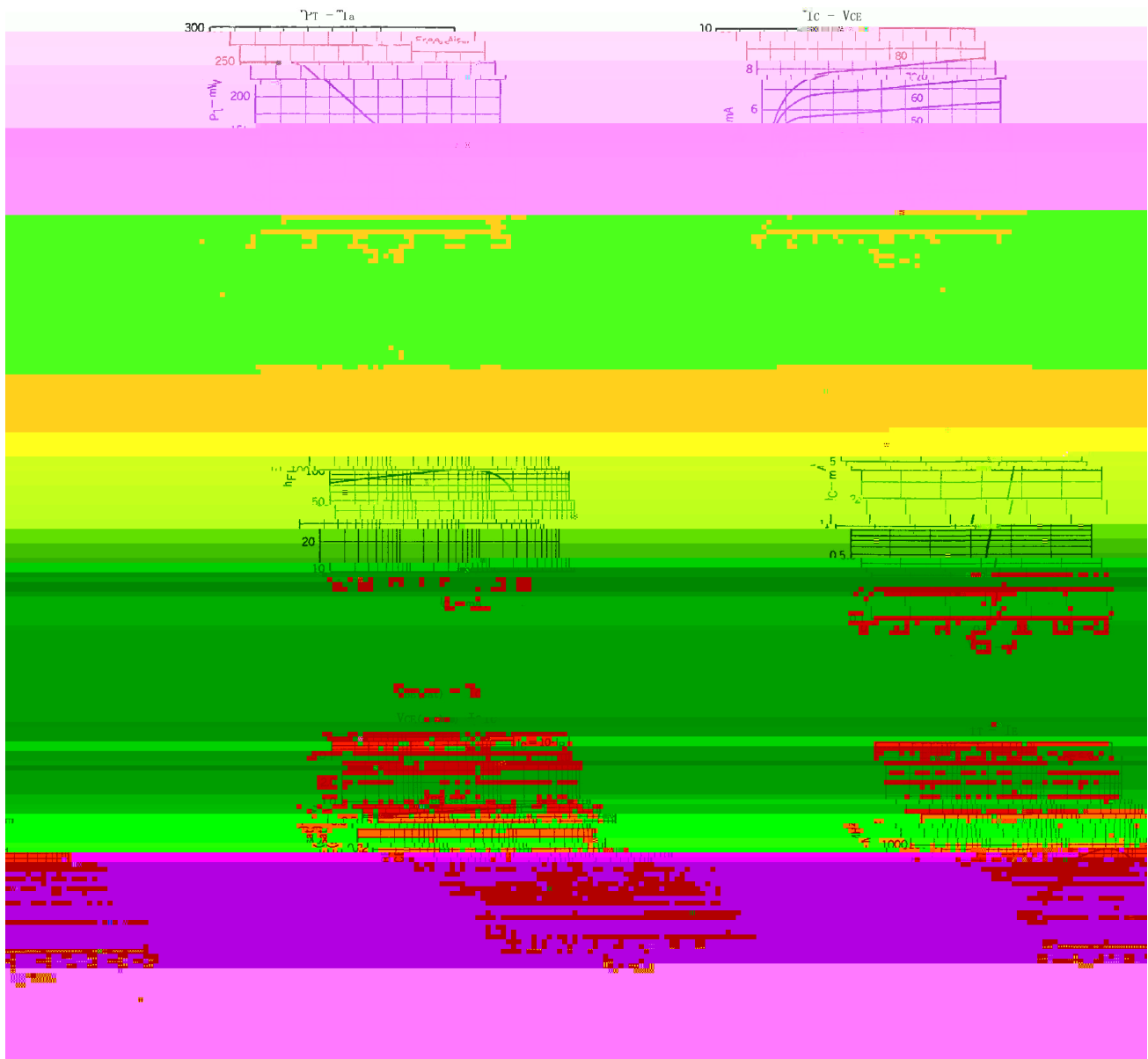
PIN1 Base PIN 2 Collector PIN 3 Emitter

/ hFE Classifications & Marking

h _{FE} Classifications Symbol	R	O	Y
h _{FE} Range	40~80	70~140	120~240

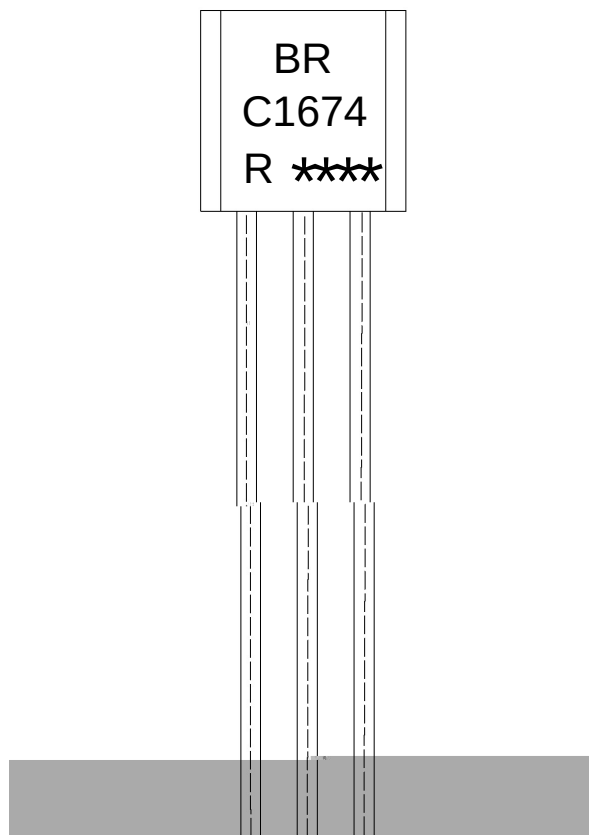
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}		

/ Electrical Characteristic Curve



/ Package Dimensions

/ Marking Instructions



BR:

C1674

R: h_{FE}

Note:

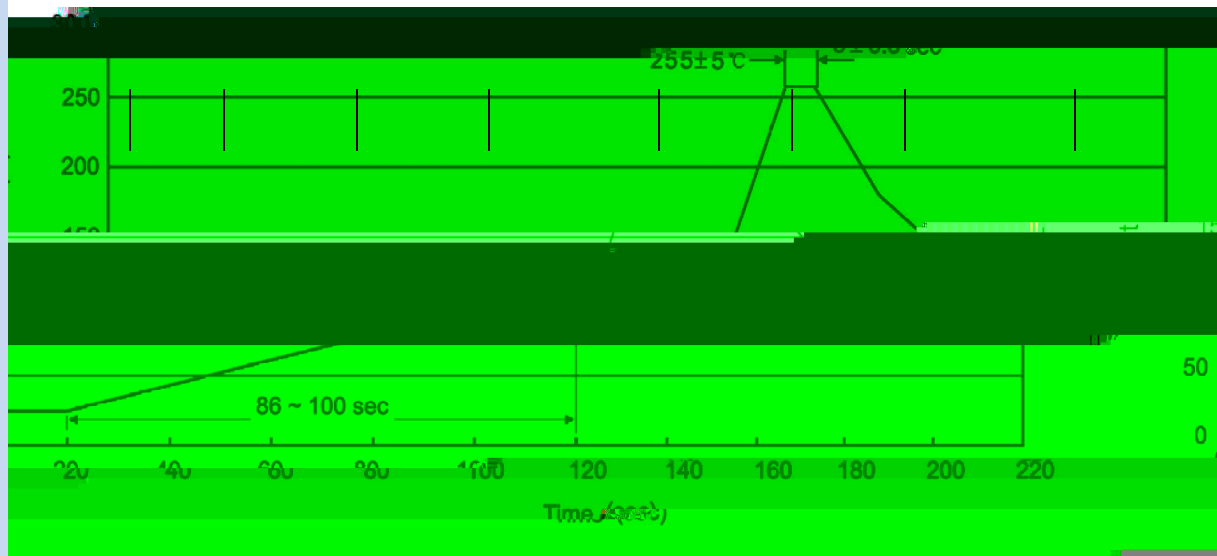
BR: Company Code.

C1674: Product Type.

R: h_{FE} Classifications Symbol

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

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



Note:

25 150 60 90sec;
255±5 5±0.5sec;
2 10 /sec.

1.Preheating:25~150 , Time:60~90sec.
2.Peak Temp.:255±5 , Duration:5±0.5sec.
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)		
	Units/Bag /	Bags/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Bag	Inner Box	Outer Box
TO-92	1,000	10	10,000	5	50,000	135×190	237×172×102	560×245×195