

**/ Descriptions**

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

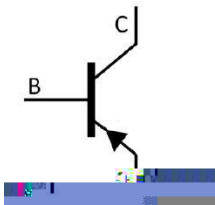
**/ Features**

Low current, Low voltage.

**/ Applications**

General purpose amplifier and switching applications.

**/ Equivalent Circuit**



**/ Pinning**



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

**/ h<sub>FE</sub> Classifications & Marking**

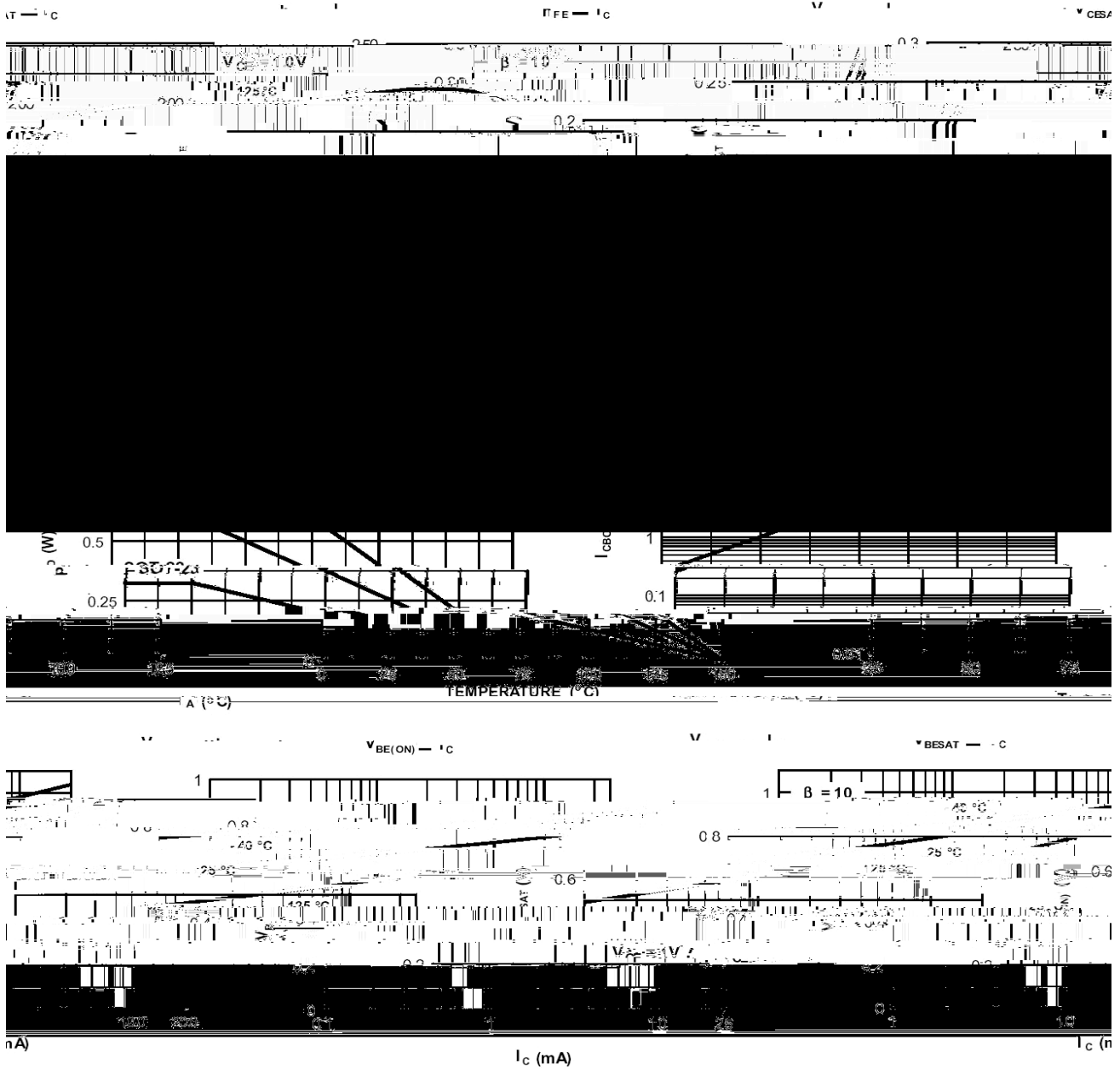
See Marking Instructions.

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	$V_{CBO}$	-25	V
Collector to Emitter Voltage	$V_{CEO}$	-25	V
Emitter to Base Voltage	$V_{EBO}$	-4.0	V
Collector Current - Continuous	$I_C$	-200	mA
Collector Power Dissipation	$P_C$	625	mW
Junction Temperature	$T_j$	150	
Storage Temperature Range	$T_{stg}$	-55 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Base Breakdown Voltage	$V_{CBO}$	$I_C = -10\text{ A}$ $I_E = 0$	-25			V
Collector to Emitter Breakdown Voltage	$V_{CEO}$	$I_C = -1.0\text{mA}$ $I_B = 0$	-25			V
Emitter to Base Breakdown Voltage	$V_{EBO}$	$I_E = -10\text{ A}$ $I_C = 0$	-4.0			V
Collector Cut-Off Current	$I_{CBO}$	$V_{CB} = -20\text{V}$ $I_E = 0$			-0.05	A

Emitter

/ Electrical Characteristic Curve



**2N4126**  
Rev.E Mar.-2016

/ Marking Instructions



BR

N 4126

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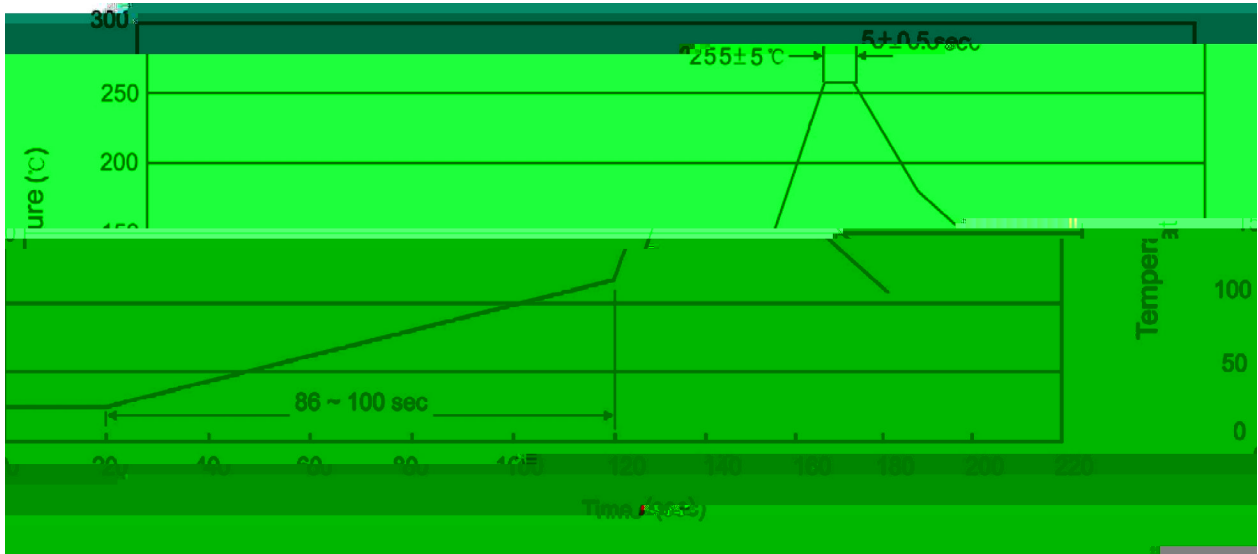
Note:

BR: Company Code.

N4126: Product Type.

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

( ) / 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.                      Temp.:270±5                      Time:10±1 sec

/ Packaging SPEC.

/ BULK

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm3)		
	Units/Bag 只/袋	Bags/Inner Box 袋/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Bag 袋	Inner Box 盒	Outer Box 箱
TO-92	1,000	10	10,000	5	50,000	135×190	237×172×102	560×245×195
	1,000	10	10,000	10	100,000	135×190	237×172×102	560×245×375

/ AMMO

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm3)	
	Units/tape 只/纸带	Tape/Inner Box 纸带/盒	Rows/Inner Box 纸带层/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Inner Box 盒	Outer Box 箱
TO-92	3,000	1	120	10	30,000	328×230×42	小箱 480×346×235, 大箱 547×407×268

/ Notices