

# BCX54

Rev.E Mar.-2016

## / Descriptions

JF K\$/O      E GE      Silicon NPN transistor in a SOT-89 Plastic Package.

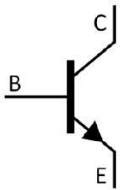
## / Features

High current, Low saturation voltage.

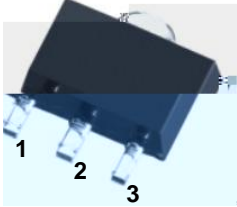
## / Applications

Driver stages of audio and video amplifiers.

## / Equivalent Circuit



## / Pinning



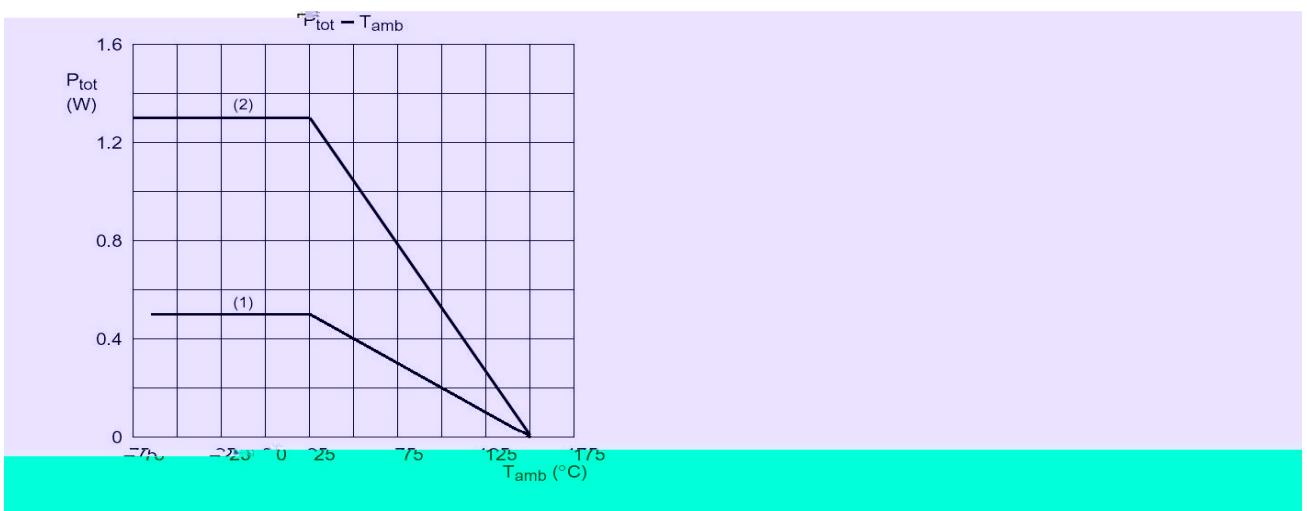
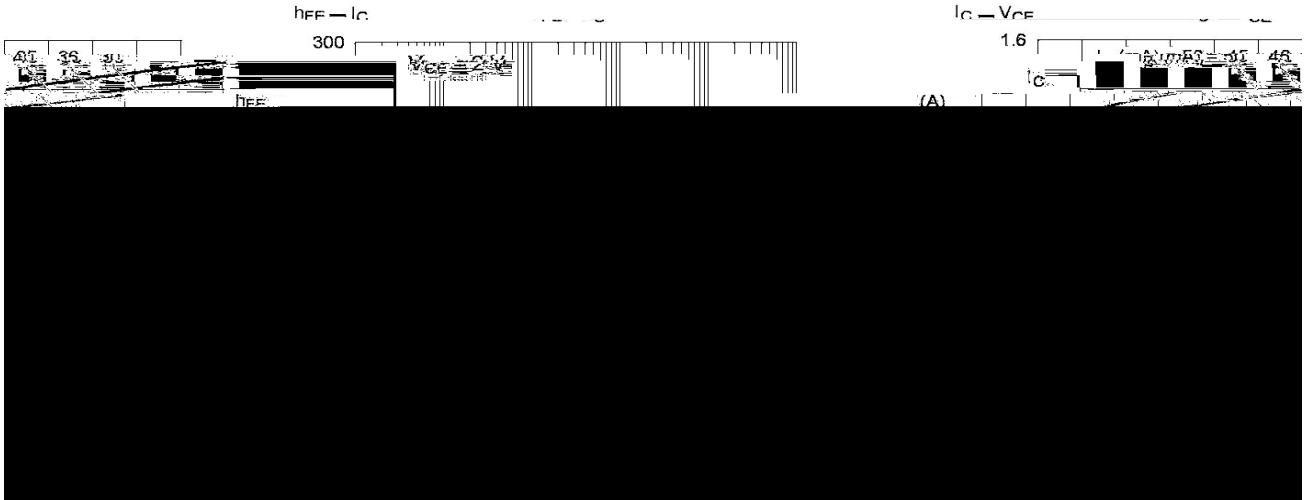
PIN1 Base      PIN 2 Collector      PIN 3 Emitter

## / Marking

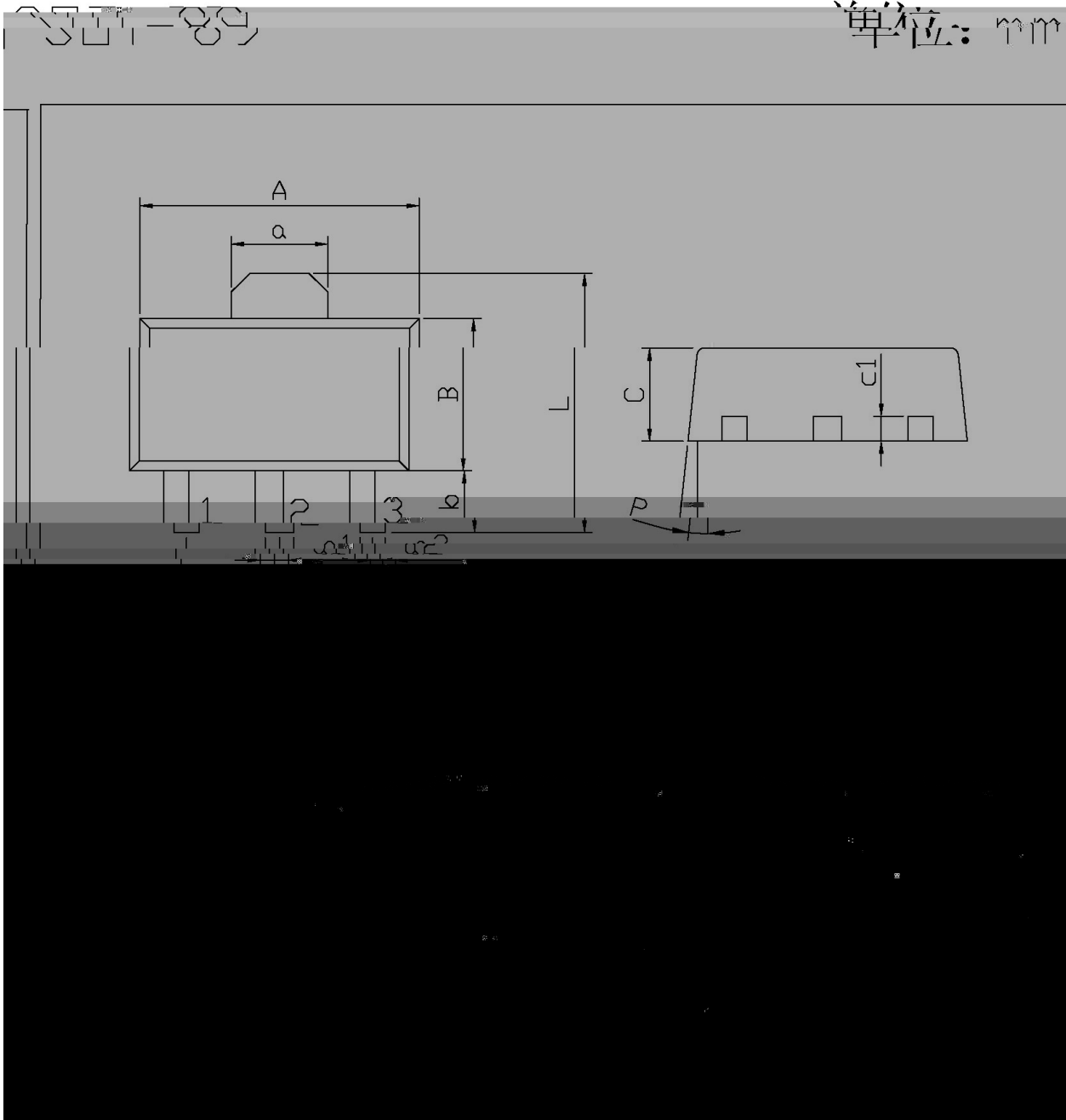
$h_{FE(1)}$ Classifications	10	16
$h_{FE(1)}$ Range	63 160	100 250
Marking	HBC *	HBD *

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	$V_{CBO}$	45	V
Collector to Emitter Voltage	$V_{CEO}$	45	V
Emitter to Base Voltage	$V_{EBO}$	5	V
Collector Current-Continuous	$I_C$	1.0	A
Peak Collector Current	$I_{CM}$	1.5	A
Peak Base Current	$I_{BM}$	0.2	A
Collector Power Dissipation	P		

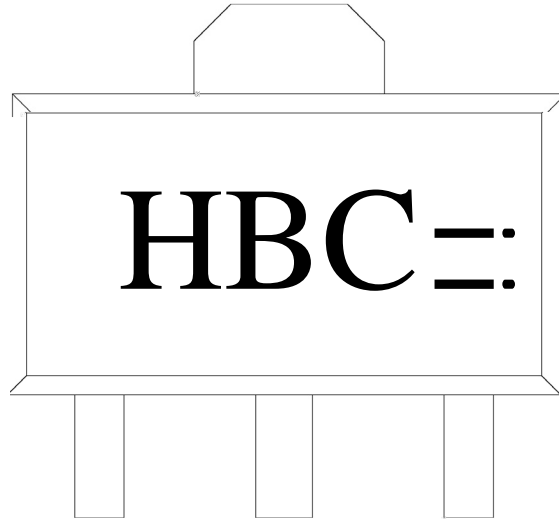
/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



H

BC

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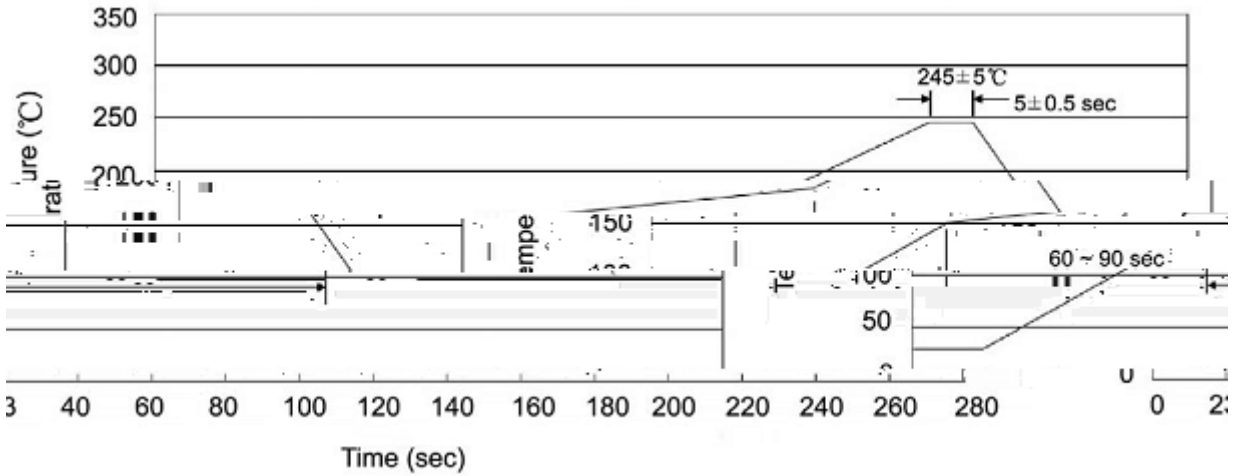
Note:

H: Company Code.

BC: Product Type.

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

( ) / Resistance to Soldering Heat Test Conditions



Note:

- |   |        |     |            |          |   |
|---|--------|-----|------------|----------|---|
| 1 | 25     | 150 | 60         | 90sec;   | 1.Preheating:25~150 , Time:60~90sec.      |
| 2 | 245..5 |     | 5..0.5sec; |          | 2.Peak Temp.:245..5 , Duration:5..0.5sec. |
| 3 |        |     | 2          | 10 /sec. | 3. Cooling Speed: 2~10 /sec.              |

/ Resistance to Soldering Heat Test Conditions

260..5                      10..1 sec.                      Temp.:260±5                      Time:10±1 sec

/ Packaging SPEC.

/ REEL

Package Type	Units				Dimension (unit mm <sup>3</sup> )		

/ Notices