

# 2SB649(A)

Rev.E Mar.-2016

## / Descriptions

KF (\$) - = GE G Silicon PNP transistor in a TO-18 Plastic Package.

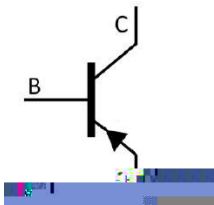
## / Features

) J; -- 0žž  
Complementary pair with 2SD669(A).

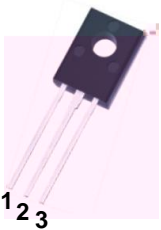
## / Applications

Low frequency power amplifier.

## / Equivalent Circuit



## / Pinning



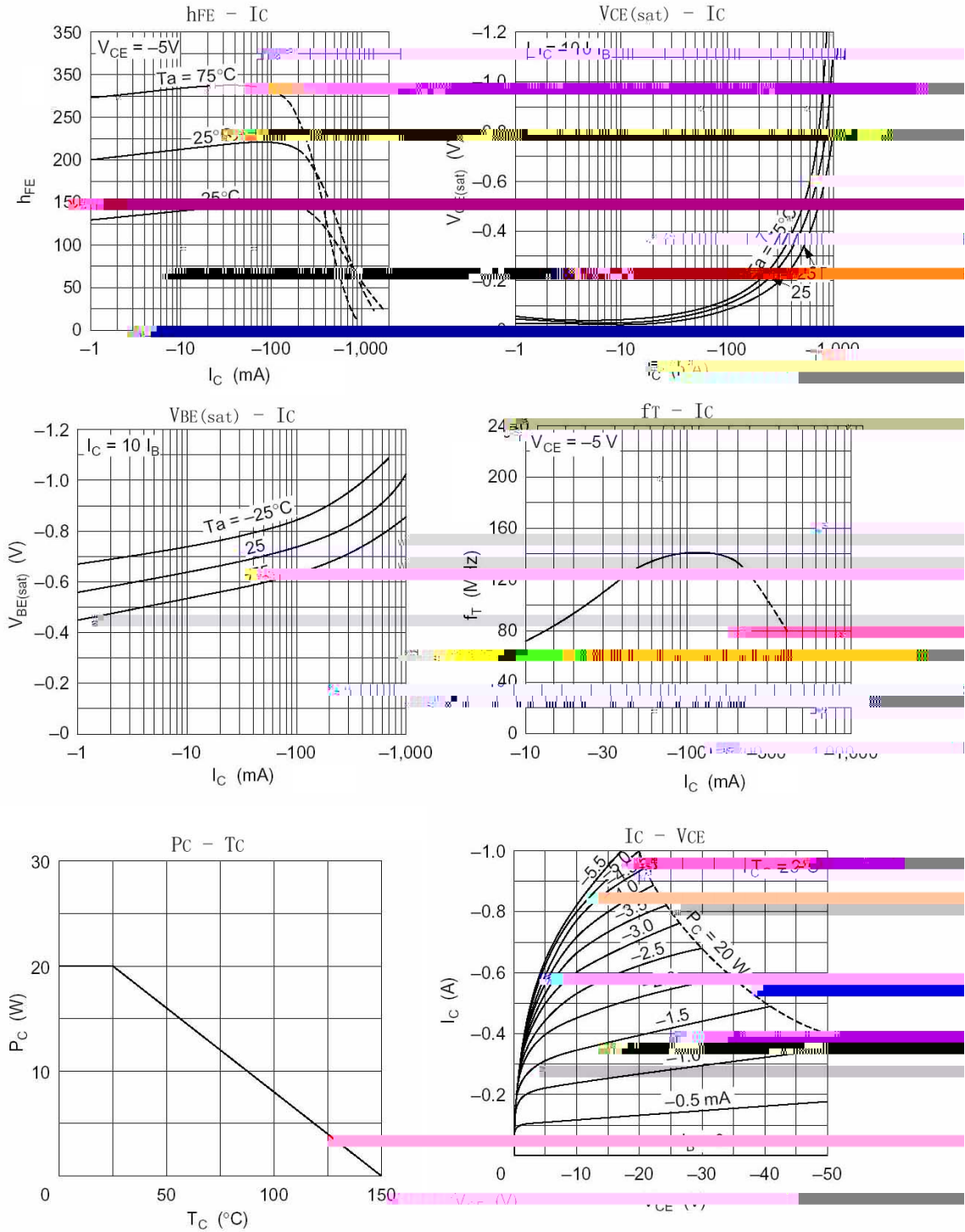
PIN1 Emitter      PIN 2 Collector      PIN 3 Base

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

$h_{FE}$ Classifications Symbol	B	C	D
$h_{FE}$ Range	60 120	100 200	160 320



**/ Electrical Characteristic Curve**



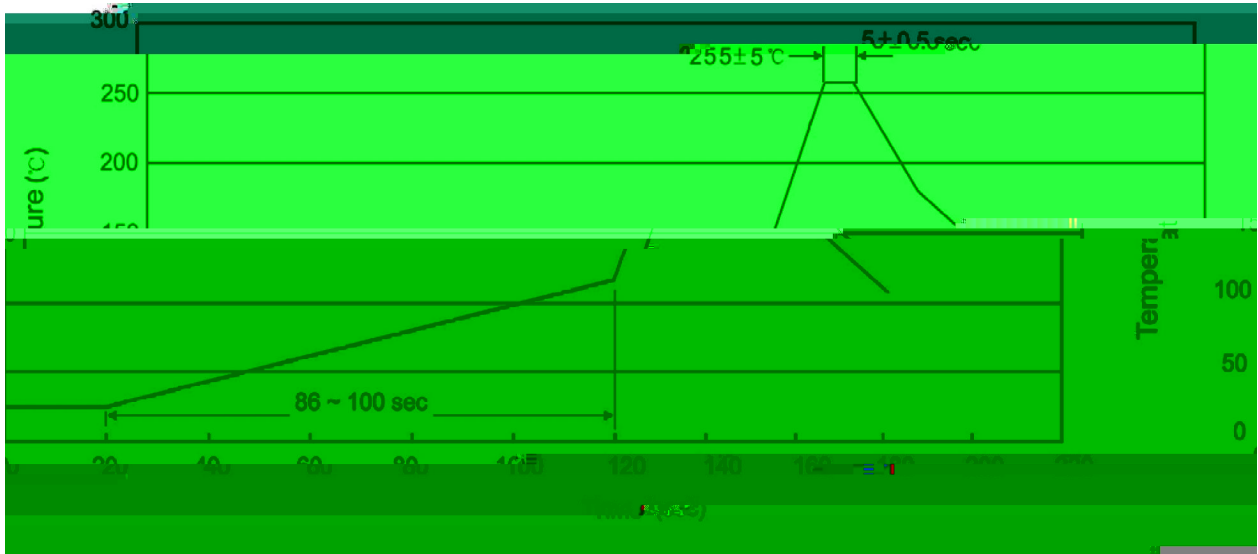


/ Marking Instructions



- 9|
- 9- +0
- 91
- !!!!
- Note:
- BR: Company Code
- B649 : Product Type.
- B:  $h_{FE}$  Classifications Symbol
- \*\*\*\*: 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.              |

5 & 255...