

**/ Descriptions**

TO-220          NPN          Silicon NPN transistor in a TO-220 Plastic Package.

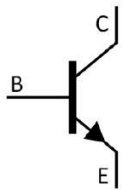
**/ Features**

2SA1011  
Complementary pair with 2SA1011.

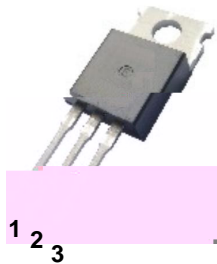
**/ Applications**

100W  
High voltage switching, AF power amplifier, 100W output predriver applications.

**/ Equivalent Circuit**



**/ Pinning**



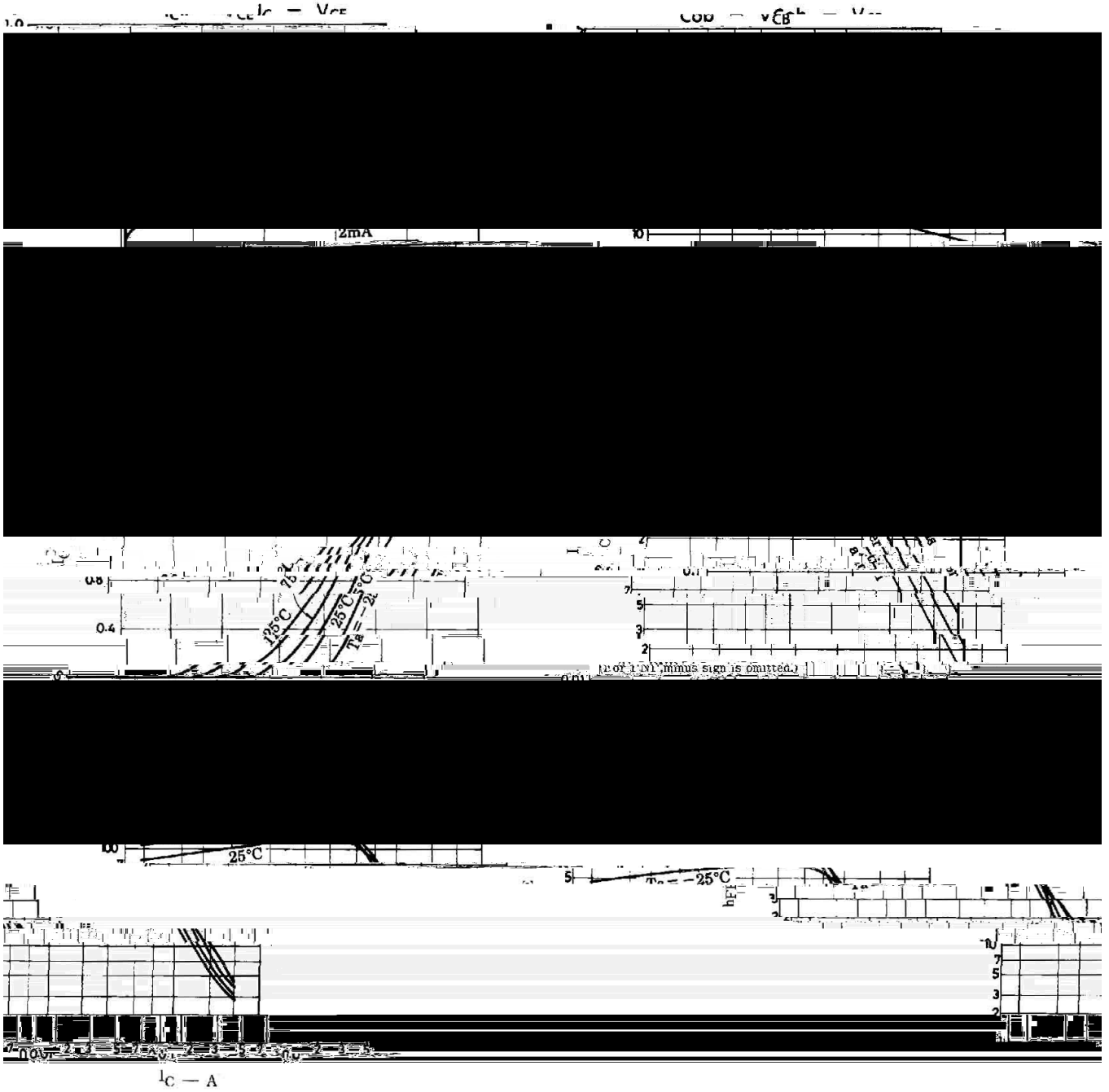
PIN1 Base          PIN 2 Collector          PIN 3 Emitter

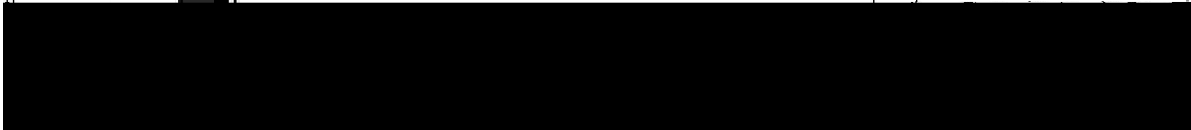
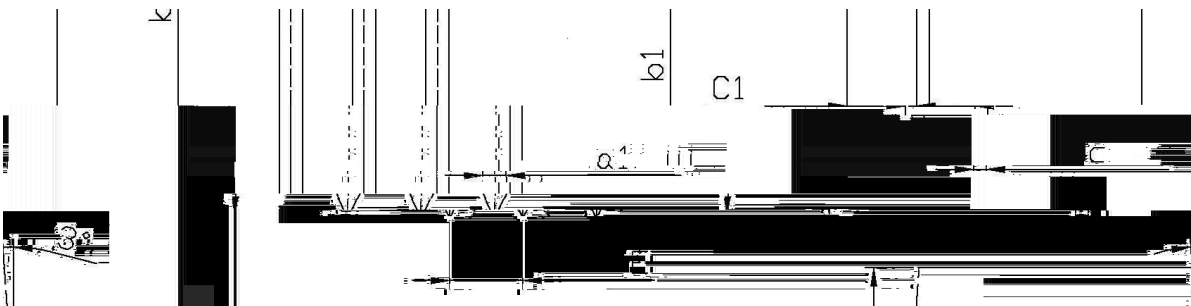
**/ h<sub>FE</sub> Classifications & Marking**

h <sub>FE</sub> Classifications Symbol	D	E
h <sub>FE</sub> Range	60 120	100 200

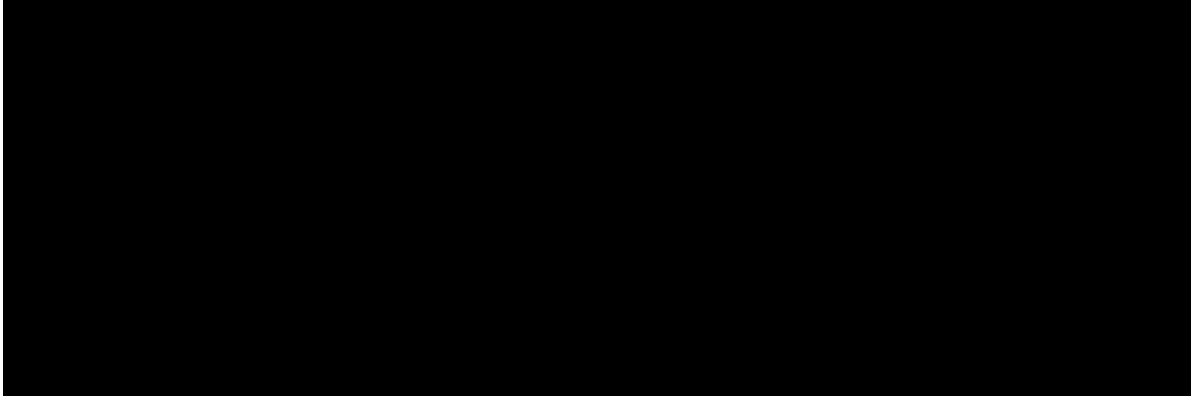
**2SC2344**  
Rev.H Oct.-2018

/ Electrical Characteristic Curve

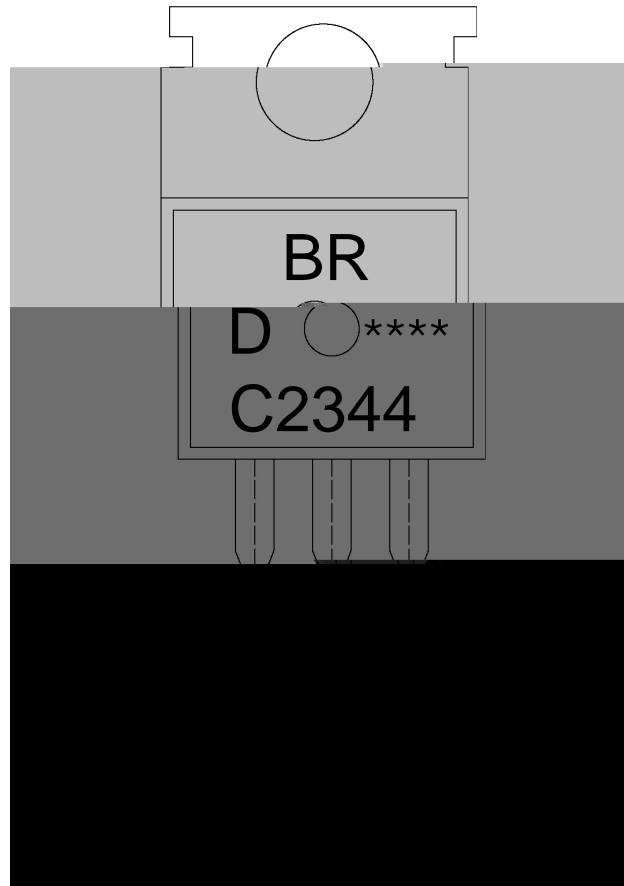




Dimensions in millimeter (mm) | Dimensions in millimeter (mm)



/ Marking Instructions



BR

C2344

D:  $h_{FE}$

\*\*\*\*

Note:

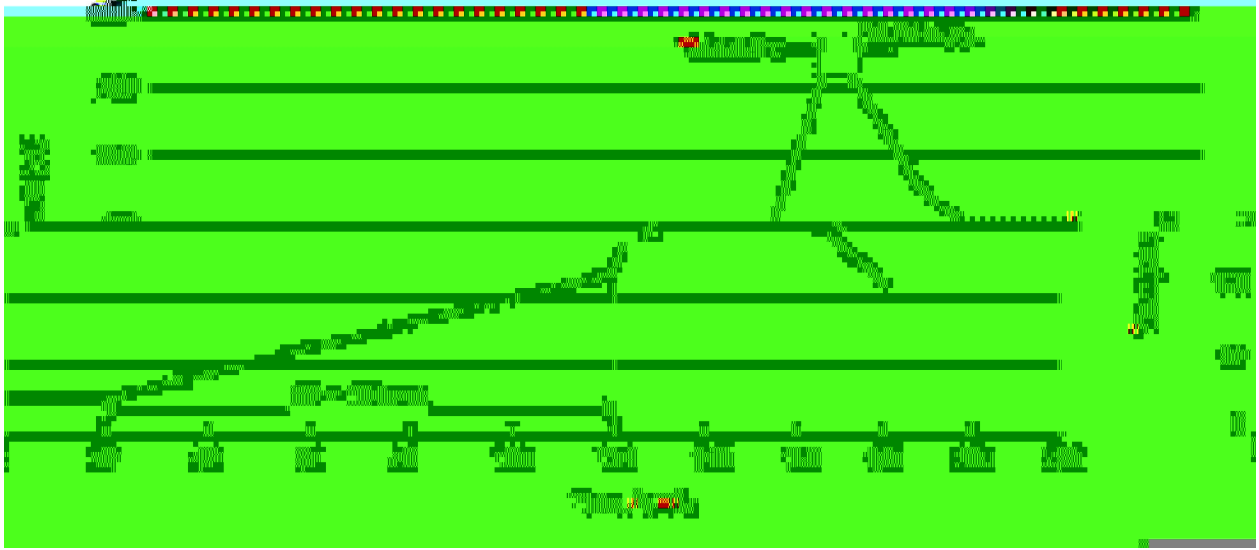
BR: Company Code

C2344: Product Type.

D:  $h_{FE}$  Classifications Symbol

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

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



- |   |       |     |           |        |   |                                      |
|---|-------|-----|-----------|--------|---|--------------------------------------|
| 1 | 25    | 150 | 60        | 90sec; | Note:                                   | 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	Units					Dimension (unit mm <sup>3</sup> )		
	Units/Bag /	Bags/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Bag	Inner Box	Outer Box
TO-220/F	200	10	2,000	5	10,000	135×190	237×172×102	560×245×195

/ TUBE

Package Type	Units					Dimension (unit mm <sup>3</sup> )		
	Units/Bag /	Bags/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Bag	Inner Box	Outer Box
TO-220/F	200	10	2,000	5	10,000	135×190	237×172×102	560×245×195