

**/ Descriptions**

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

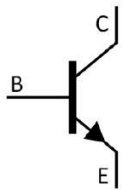
**/ Features**

2SA1011  
Complementary pair with 2SA1011.

**/ Applications**

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

**/ Equivalent Circuit**



**/ Pinning**



1 2 3

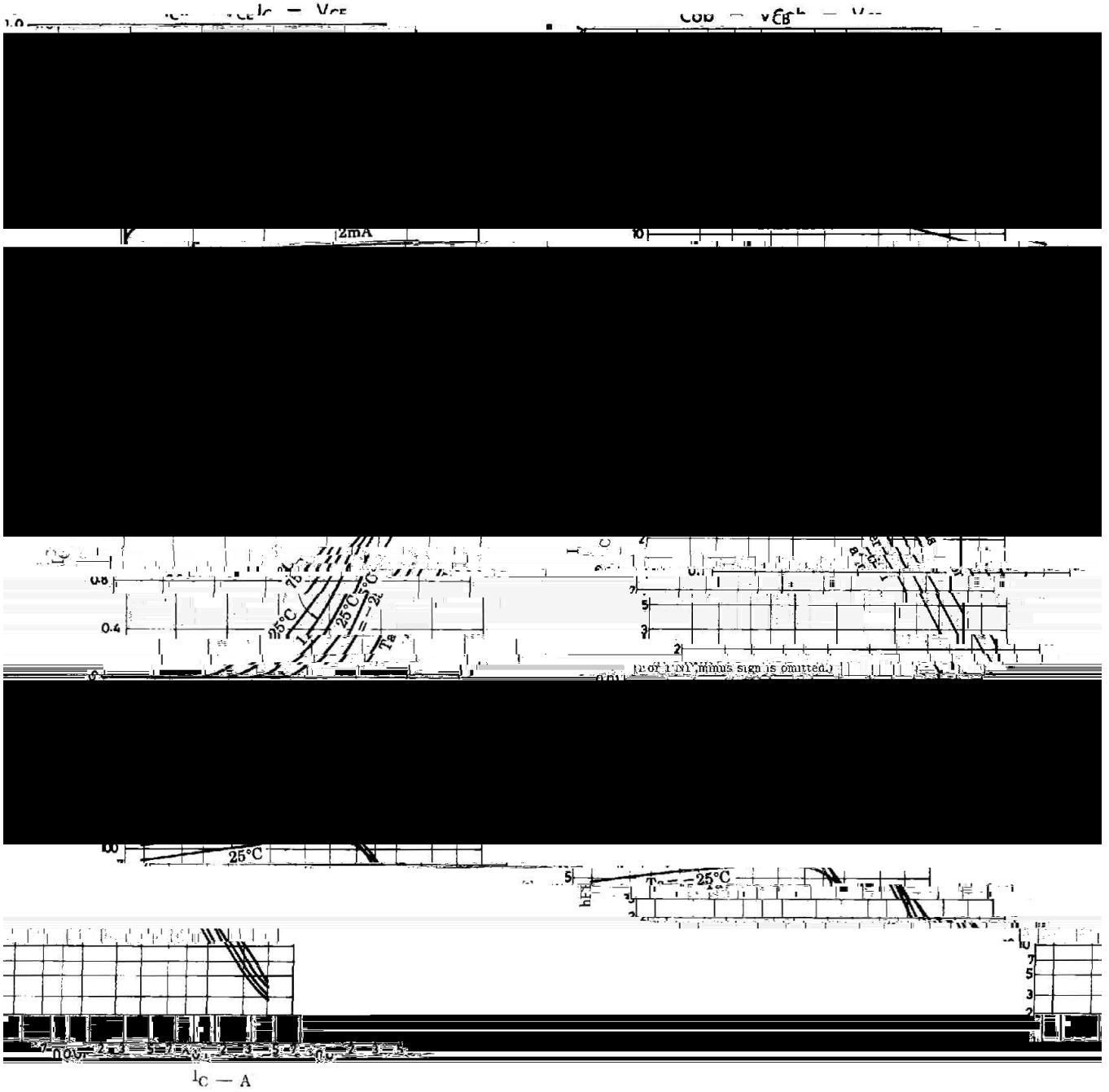
PIN1 Base          PIN 2 Collector          PIN 3 Emitter

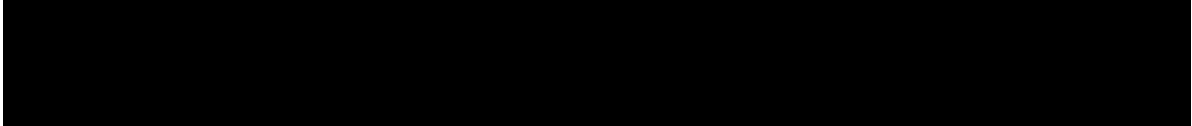
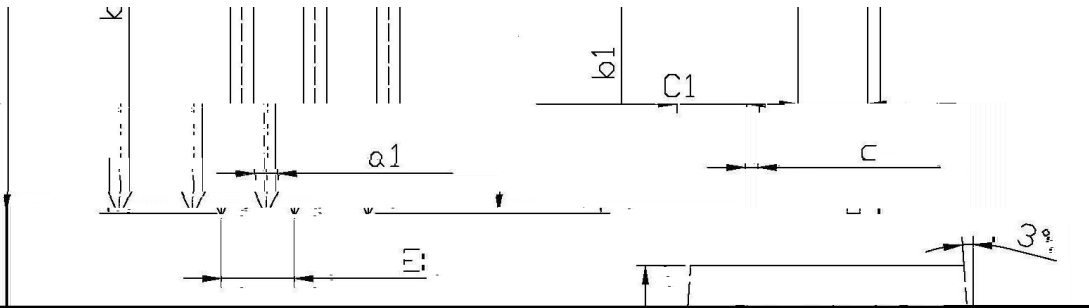
**/ h<sub>FE</sub> Classifications & Marking**

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

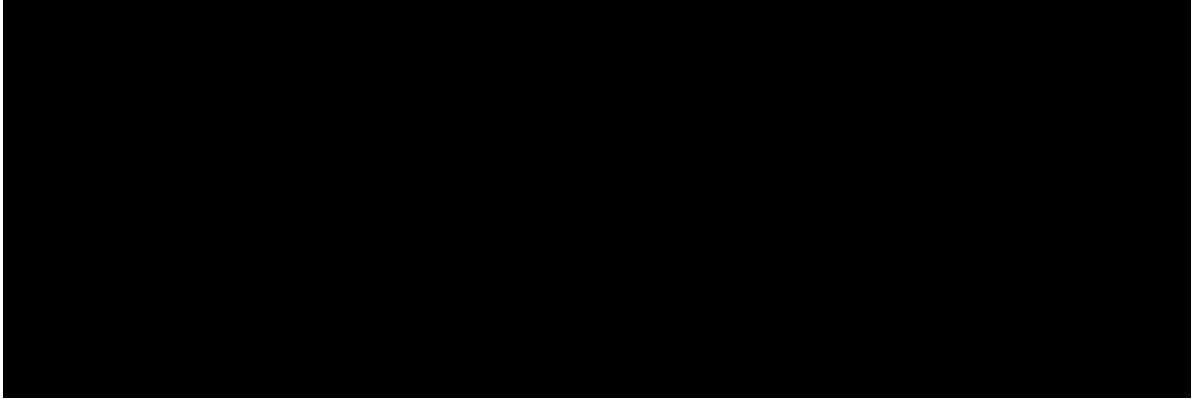
**2SC2344**  
Rev.H Oct.-2018

/ Electrical Characteristic Curve

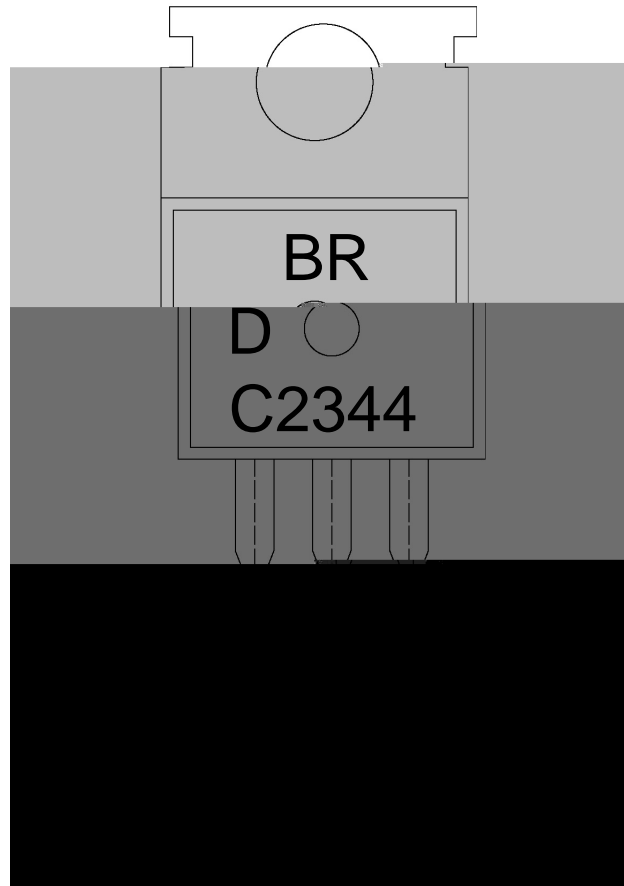




Dimensions in Mikrometers      Dimensions in Mikrometers



/ 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)**



**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	Units				Dimension (unit mm <sup>3</sup> )		

/ TUBE

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