

**/ Descriptions**

TO-126F          PNP          Silicon PNP transistor in a TO-126F Plastic Package.

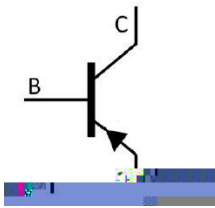
**/ Features**

High breakdown voltage, low collector saturation voltage, high speed switching.

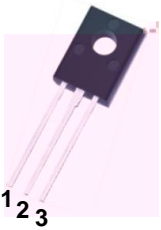
**/ Applications**

High voltage switching, low power switching regulator, DC-DC converter.

**/ Equivalent Circuit**



**/ Pinning**



PIN1 Emitter          PIN 2 Collector          PIN 3 Base

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

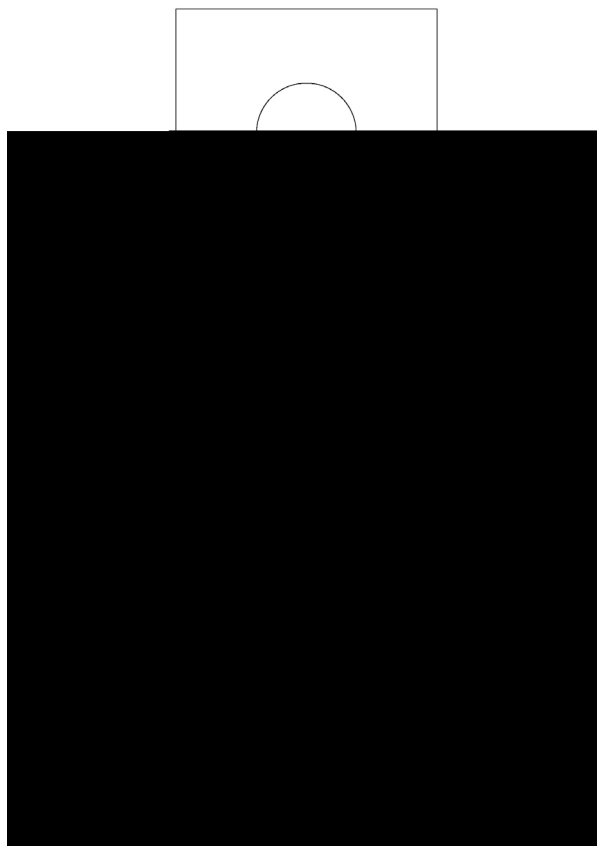
| $h_{FE}$ Classifications<br>Symbol | N     | R     | O      | Y       |
|------------------------------------|-------|-------|--------|---------|
| $h_{FE}$ Range                     | 30 60 | 40 80 | 60 120 | 100 200 |

| Parameter                    | Symbol    | Rating | Unit |
|------------------------------|-----------|--------|------|
| Collector to Base Voltage    | $V_{CBO}$ | -400   | V    |
| Collector to Emitter Voltage | VCBO      |        |      |



**KSA1156**

/ Marking Instructions



BR

A1156

N  $h_{FE}$

\*\*\*\*

Note:

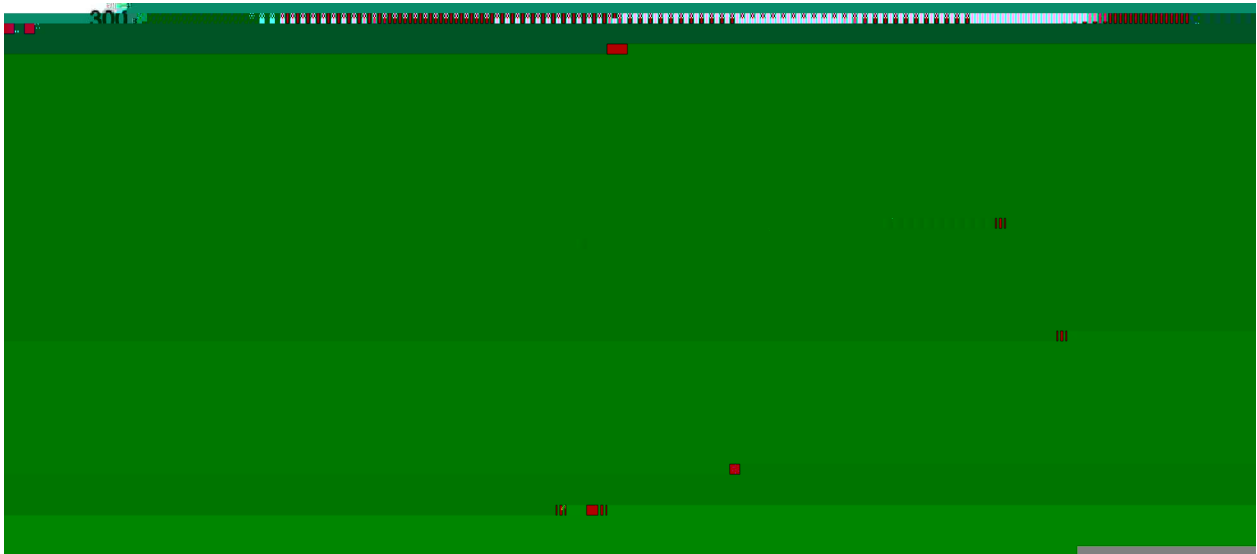
BR: Company Code

A1156: Product Type.

N:  $h_{FE}$  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/Tube<br>/ | Tubes/Inner Box<br>/ | Units/Inner Box<br>/ | Inner Boxes/Outer Box<br>/ | Units/Outer Box<br>/ |           |                         |