

Use
. Capable of being used in the low frequency to high frequency range.

## Features

- Large current capacity and wide ASO.
( ): 2SA1318

| Absolute Maximue Ratings at $\mathrm{Ta}=25^{\circ} \mathrm{C}$ |  |  | unit |
| :---: | :---: | :---: | :---: |
| Collector to Base Voltage | $\mathrm{v}_{\text {CBO }}$ | (-)60 | v |
| Collector to Emitter Voltage | $\nabla_{\text {CEO }}$ | (-)50 | V |
| Emitter to Base Voltage | $\mathrm{V}_{\text {EBO }}$ | (-)6 | V |
| Collector Current | $\mathrm{I}_{\mathrm{C}}$ | (-)200 | mA |
| Collector Current (Pulse) | $\mathrm{I}_{\text {CP }}$ | (-)400 | mA |
| Collector Dissipation | $\mathrm{P}_{\mathrm{C}}$ | 500 | mW |
| Junction Temperature | Tj | 150 | ${ }^{\circ} \mathrm{C}$ |
| Storage Temperature | Tstg | -55 to +150 | ${ }^{\circ} \mathrm{C}$ |



* The 2SA1318/2SC3331 are classified by $1 \mathrm{~mA} \mathrm{~h}_{\mathrm{FE}}$ as follows:

2SA1318 | 100 | R | 200 | 140 | S | 280 | 200 | T | 400 | 280 | U | 560 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

2SC3331

| 100 | R | 200 | 140 | S | 280 | 200 | T | 400 | 280 | U | 560 | 400 | V | 800 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

Case Outline 2003A
(unit:mm)


Specifications and information herein are subject to change without notice.
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Collector to Emitter Saturation Voltage Base to Emitter Saturation Voltage Collector to Base Breakdown Voltage Collector to Emitter Breakdown Voltage Emitter to Base Breakdown Voltage








## CASE OUTLINES OF LEAD FORMED SMALL SIGNAL TRANSISTORS

All of Sanyo lead formed small signal transistor case outlines are illustrated below.
All dimensions are in mm , and dimensions which are not followed by min. or max. are represented by typical values.

- No marking is indicated.


Case Outline 2004A (unit : mm)


Case Outline 2005A (unit: mm)


Case Outline 2006A (unit : mm)


Case Outline 2019A/2019B (unit : mm)


Case Outline 2034/2034A (unit : mm)


1 : Source
2: Gate
3:Drain
SANYO: SPA
Case Outline 2040 (unit: mm)


1: Drain
2: Source
3: Gate
SANYO:SPA


Case Outline 2084A (unit : mm)


