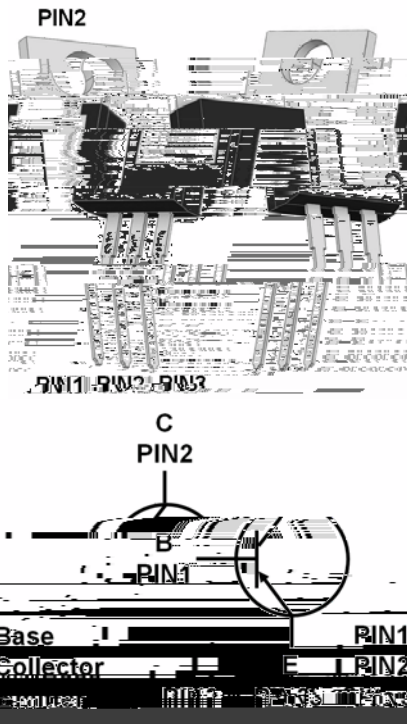


## PNP Power Transistors



### Features

- Epoxy Meets UL 94 V-0 Flammability Rating
- High Current Switching Applications
- Low Collector Saturation Voltage

### Applications

- Complement to 2SC2562
- High switching speed

### Mechanical Data

- Package: TO-220AB
- Terminals: Tin plated leads, solderable per J-STD-002 and JESD22-B102
- Unit Weight: 1.9g

### Maximum Ratings (Ta=25 unless otherwise noted)

| Item  | Symbol     | Unit | Value       |
|---|------------|------|-------------|
| Device marking code                             |            |      | 2SA1012-Y   |
| Collector-base voltage                          | $V_{CBO}$  | V    | -60         |
| Collector-emitter voltage                       | $V_{CEO}$  | V    | -50         |
| Emitter-base voltage                            | $V_{EBO}$  | V    | -5          |
| Collector current                               | $I_C$      | A    | - P o       |
|   | $D$        | W    | 2           |
| Thermal resistance, junction-to-ambient (Note1) | $R_{thJA}$ | /W   | 62.5        |
| Junction temperature                            | $T_j$      |      | -55 to +150 |
| Storage temperature                             | $T_{STG}$  |      | -55 to +150 |

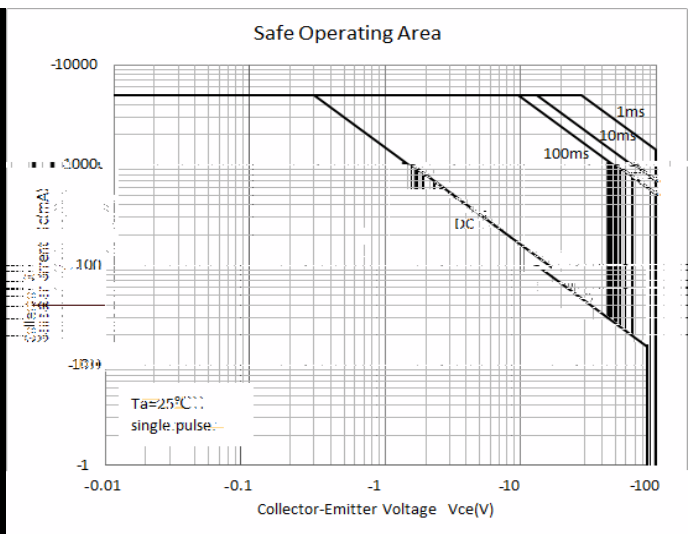
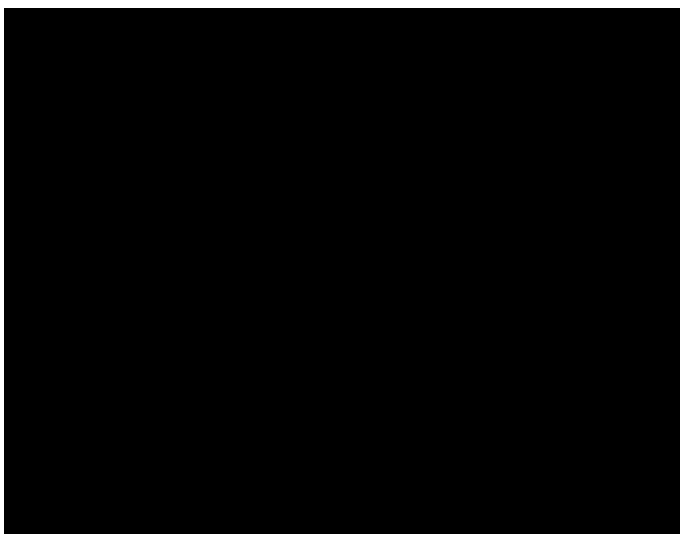
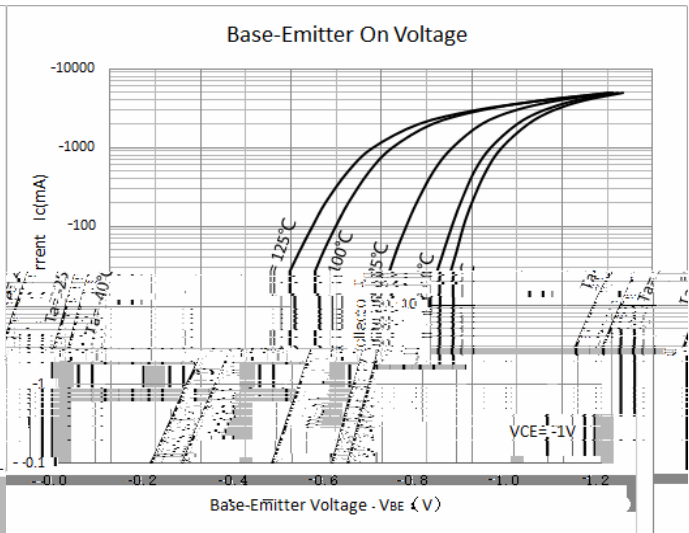
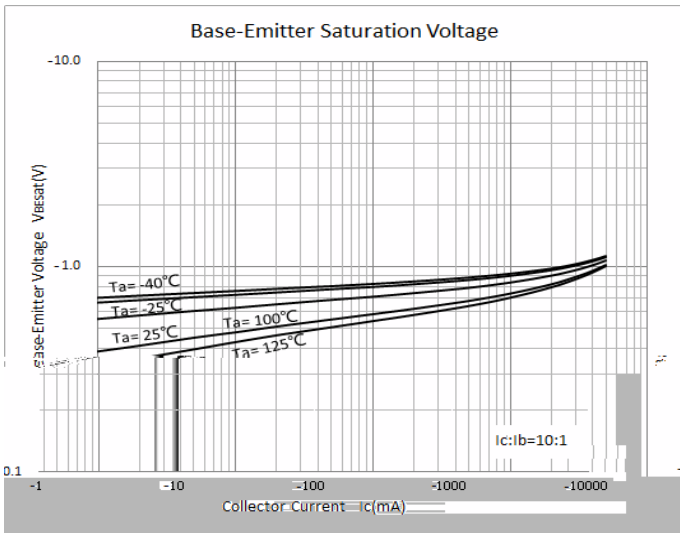
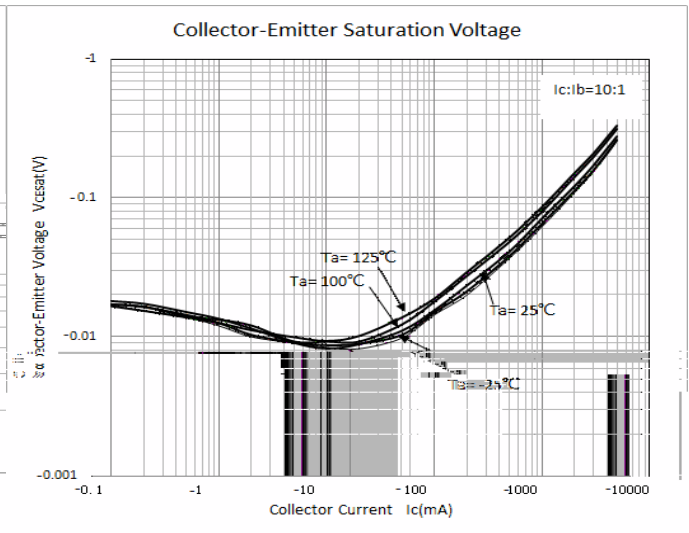
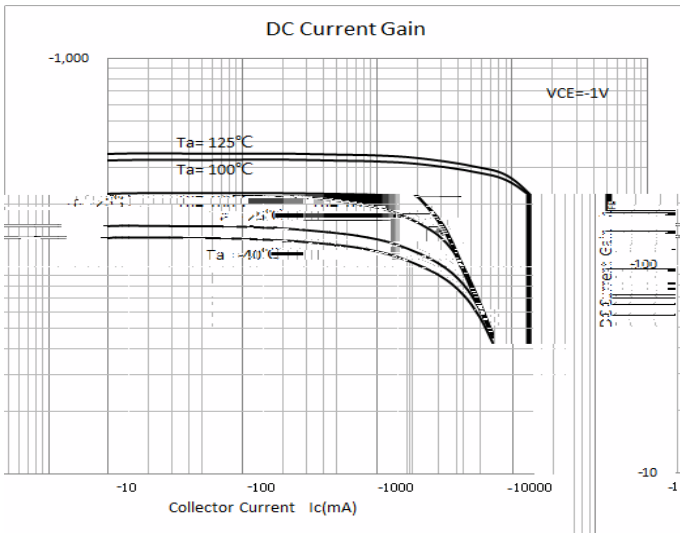
Note1

d



Electrical Characteristics (Ta=25 unless otherwise noted)

| Item | Symbol | Unit | Conditions | Min |
|------|--------|------|------------|-----|
|------|--------|------|------------|-----|





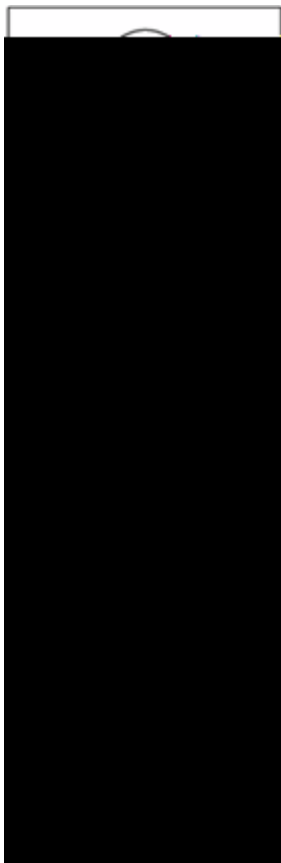
Ordering Information (Example)

| PREFERED P/N | PACKING CODE | MINIMUM PACKAGE(pcs) | INNER BOX QUANTITY(pcs) | OUTER CARTON QUANTITY(pcs) | DELIVERY MODE |
|--------------|--------------|----------------------|-------------------------|----------------------------|---------------|
| 2SA1012-Y    | B1           | 50/Tube              | 1000                    | 5000                       | Tube          |

TO-220AB Package information



Marking code



Yangjie LOGO  
 YYWW YY, years; WW , week.  
 For example,24 represents 2024; 01 represents the first week of this year.  
 2SA1012-Y: Product model.

