

## Digital Transistors (Built-in Resistors)

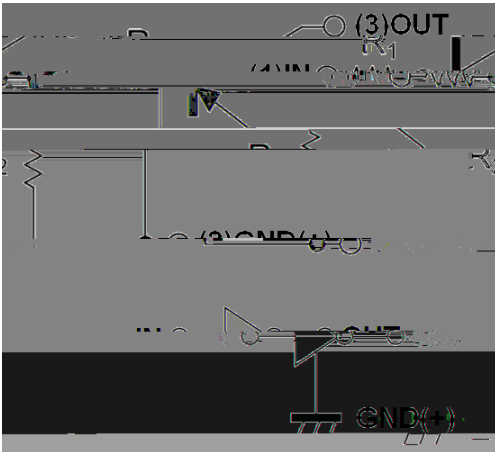
### Features

- Epoxy meets UL-94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Built-in bias resistors enable the configuration of an inverter circuit without connecting external input resistors
- Surface mount package ideally Suited for Automatic Insertion
- PNP

### Mechanical Data

- **Package:** SOT-23
- **Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102
- **Marking:** 54

### ■Equivalent circuit



### ■Maximum Ratings (Ta=25 Unless otherwise specified

| ITEM                 | SYMBOL    | UNIT | VALUE       |
|----------------------|-----------|------|-------------|
| Supply Voltage       | $V_{CC}$  | V    | -50         |
| Input Voltage        | $V_{IN}$  | V    | -40 to +6   |
| Output Current       | $I_O$     | mA   | -100        |
| Power Dissipation    | $P_D$     | mW   | 200         |
| Junction Temperature | $T_j$     |      | 150         |
| Storage Temperature  | $T_{STG}$ |      | -55 to +150 |



■ **Electrical Characteristics** (Ta=25 unless otherwise specified)



**DTA114YCA**



## Disclaimer

The information presented in this document is for reference only. Yangzhou Yangjie Electronic Technology Co., Ltd. reserves the right to make changes without notice for the specification of the products displayed here / Mto improve reliabilityfunctiondesignMo or otherwise.

The product listed here is designCed to be used with ordi electronic equipment or devices, and not designAed to be used w  
equi nt or devices hCich require hi h level of reli bility malfunction of à ith à out irectl endanger human life (sch s  
medical instruments, transport equipM ent, aerospace m ery, nuclear-reactor controllers, fuel control and fety other sa  
devices) i MYangjie or anyo Mo its be& f, assumes no responsibility for any damages resul ing from such improper e  
of sale.

This publication M ~~replaces~~ all i ! ly vious te  
http:// àw 1ya Ō M i M M ale office est Yangjie's s