

Dual PNP Small Signal Transistor



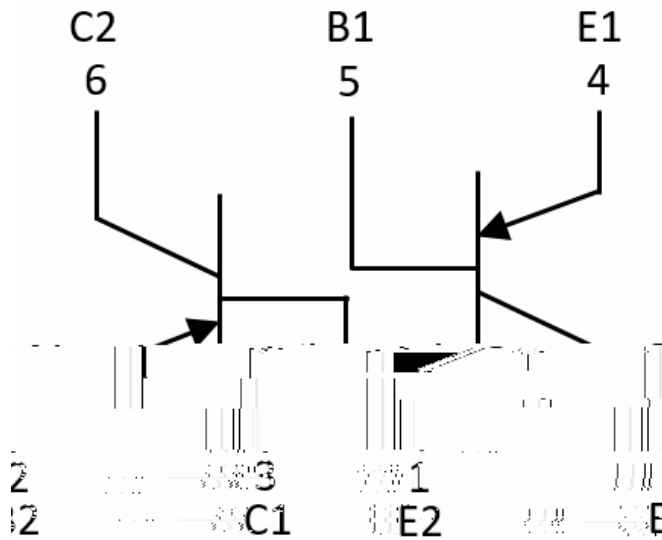
Features

- Epoxy meets UL-94 V-0 flammability rating
- Surface mount package ideally Suited for Automatic Insertion
- PNP

Mechanical Data

- Package:** SOT-363
- Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102
- Marking:** K3N

Equivalent circuit





MMDT3906

Maximum Ratings (Ta=25 Unless otherwise specified)

| Item | Symbol | Unit | Conditions | Value |
|-----------------------------|-----------|------|-----------------------------|-------------|
| Collector-Emitter Voltage | V_{CEO} | V | $I_C=-1\text{mA}, I_B=0$ | -40 |
| Collector-Base Voltage | V_{CBO} | V | $I_C=-10\mu\text{A}, I_E=0$ | -40 |
| Emitter-Base Voltage | V_{EBO} | V | $I_E=-10\mu\text{A}, I_C=0$ | -5 |
| Collector Current | I_C | mA | | -200 |
| Collector Power Dissipation | P_C | mW | | 200 |
| Junction Temperature | T_j | | | -55 to +150 |
| Storage Temperature | T_{stg} | | | -55 to +150 |

Electrical Characteristics (Ta=25 unless otherwise specified)

| Item | Symbol | Unit | Conditions | Min | TYP | Max |
|-------------------------------------|-----------|------|--------------------------------|-----|-----|-----|
| Collector-base breakdown voltage | V_{CBO} | V | $I_C=-10\mu\text{A}, I_E=0$ | -40 | | |
| Collector-emitter breakdown voltage | V_{CEO} | V | $I_C=-1\text{mA}, I_B=0$ | -40 | | |
| Emitter-base breakdown voltage | V_{EBO} | V | $I_E=-10\mu\text{A}, I_C=0$ | -5 | | |
| Collector-Base cut-off current | I_{CBO} | nA | $V_{CB}=-30\text{V}, I_E=0$ | | | -50 |
| Collector-emitter cut-off Current | I_{CEX} | nAdc | $V_{CE}=-30\text{Vdc}, V_{BE}$ | | | |

v627 3DFNDJH 2XWOLQH 'LPHQVLRQV

v627 6ROGHULQJ)RRWSULQW

hÖjšu



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 herein to improve reliability, function or design or otherwise.

The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of which would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices), Yangjie or anyone on its behalf, assumes no responsibility or liability for any damages resulting from such improper use of sale.

This publication supersedes & replaces all information previously supplied. For additional information, please visit our website [http:// www.21yangjie.com](http://www.21yangjie.com) , or consult your nearest Yangjie's sales office for further assistance.