

Driver 1.5A 2-OUT Low Side Non-Inv 8-Pin PDIP Tube

Images are for reference only

[Inquiry](#)**Manufacturer:** [Microchip Technology, Inc](#)**Package/Case:** DIP8**Product Type:** Drivers**RoHS:** RoHS Compliant/Lead free **Lifecycle:** Active**General Description**

The TC4426/4427/4428 are improved versions of the earlier TC426/427/428 family of buffer/drivers (with which they are pin compatible). They will not latch up under any conditions within their power and voltage ratings. They are not subject to damage when up to 5V of noise spiking (of either polarity) occurs on the ground pin. They can accept, without damage or logic upset, up to 500 mA of reverse current (of either polarity) being forced back into their outputs. All terminals are fully protected against up to 2kV of electrostatic discharge. As MOSFET drivers, the TC4426/4427/4428 can switch 1000pF gate capacitances in 25 nsec, and provide low enough impedances in both the ON and OFF states to ensure the MOSFET's intended state will not be affected by large transients. However, the recommended pin-compatible drivers are the TC4426A/27A/28A. These drivers have matched input to output leading edge and falling edge delays, tD1 and tD2, for processing short duration pulses in the 25 nsec range. They are pin compatible with the TC4426/27/28.

For product comparison, please consider:TC4427A

Key Features

Wide Operating Range: 4.5V to 18V

High Capacitive Load Drive Capability: 1000pF in 25nsec

Short Delay Times: 40nsec Typical

Consistent Delay Times With Changes in Supply Voltage

Low Supply Current

With Logic '1' Input: 4.5 mA

With Logic '0' Input: 400µA

Low Output Impedance: 7Ω Typical at 25 °C

Latch-Up Protected: Will Withstand >0.5A Reverse Current, Down to – 5V

Input Will Withstand Negative Inputs

ESD Protected: 2kV HBM

Pinouts Same as TC426/27/28

Recommended For You

TC7660COA

Microchip Technology, Inc

SOP8

TC54VC3002ECB713

Microchip Technology, Inc

SOT-23

TC4428ACOA

Microchip Technology, Inc

SOP8

TC429CPA

Microchip Technology, Inc

DIP8

TC4420EPA

Microchip Technology, Inc

DIP8

TC1232CPA

Microchip Technology, Inc

DIP8

TC1232COA

Microchip Technology, Inc

SOP-8

TC4427AEP

Microchip Technology, Inc

DIP8

TC4421CAT

Microchip Technology, Inc

TO220-5

TC4420CPA

Microchip Technology, Inc

DIP8

TC4422EPA

Microchip Technology, Inc

DIP8

TC1232EOA

Microchip Technology, Inc

SOP-8

TC1240AECR

Microchip Technology, Inc

SOT23-6

TC4421CPA

Microchip Technology, Inc

DIP8

TC4420COA

Microchip Technology, Inc

SOP-8