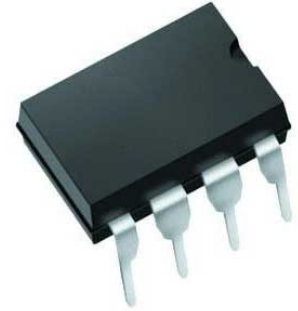


Driver 1.2A 2-OUT Low Side Non-Inv 8-Pin PDIP Tube



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 TC1426/27/28 are a family of 1.2A dual high-speed drivers. CMOS fabrication is used for low power consumption and high efficiency. These devices are fabricated using an epitaxial layer to effectively short out the intrinsic parasitic transistor responsible for CMOS latch-up. They incorporate a number of other design and process refinements to increase their long-term reliability. The TC1426 is compatible with the bipolar DS0026, but only draws 1/5 of the quiescent current. The TC1426/27/28 are also compatible with the TC426/27/28, but with 1.2A peak output current rather than the 1.5A of the TC426/27/28 devices. Other compatible drivers are the TC4426/27/28 and the TC4426A/27A/28A. The TC4426/27/28 have the added feature that the inputs can withstand negative voltage up to 5V with diode protection circuits. The TC4426A/27A/28A have matched input to output leading edge and falling edge delays, tD1 and tD2, for processing short duration pulses in the 25 nanoseconds range. All of the above drivers are pin compatible. The high-input impedance TC1426/27/28 drivers are CMOS/TTL input-compatible, do not require the speed-up needed by the bipolar devices, and can be directly driven by most PWM ICs. This family of devices is available in inverting and non-inverting versions. Specifications have been optimized to achieve low-cost and high-performance devices, well-suited for the high-volume manufacturer.

Key Features

Latch-Up Protected: Will Withstand

500 mA Reverse Output Current

ESD Protected: ± 2 kV

High Capacitive Load Drive Capability: 1000pF in 38nsec

Wide Operating Range: 4.5V to 16V

Low Delay Time: 75nsec Max

Logic Input Threshold Independent of Supply Voltage

Output Voltage Swing to Within 25mV of Ground or V_{DD}

Low Output Impedance : 8 Ω

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

TC4427AEPA

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

TC1240AECHTR

Microchip Technology, Inc

SOT23-6

TC4421CPA

Microchip Technology, Inc

DIP8

TC4420COA

Microchip Technology, Inc

SOP-8