

Driver 10A 1-OUT Low Side Non-Inv Automotive 8-Pin SOIC N Tube



Images are for reference only

[Inquiry](#)

Manufacturer: [Microchip Technology, Inc](#)

Package/Case: SOP8

Product Type: Drivers

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

The TC4421/4422 are high current buffer/drivers capable of driving large MOSFETs and IGBTs. They are essentially immune to any form of upset except direct overvoltage or over-dissipation — they cannot be latched under any conditions within their power and voltage ratings; they are not subject to damage or improper operation when up to 5V of ground bounce is present on their ground terminals; they can accept, without either damage or logic upset, more than 1A inductive current of either polarity being forced back into their outputs. In addition, all terminals are fully protected against up to 4kV of electrostatic discharge. The TC4421/4422 inputs may be driven directly from either TTL or CMOS (3V to 18V). In addition, 300mV of hysteresis is built into the input, providing noise immunity and allowing the device to be driven from slowly rising or falling waveforms.

For product comparison, please consider:TC4422A

Key Features

Tough CMOS™ Construction

High Peak Output Current: 9A

High Continuous Output Current: 2A Max

Fast Rise and Fall Times:

30nsec with 4,700pF Load

180nsec with 47,000pF Load

Short Internal Delays: 30nsec Typ.

Low Output Impedance: 1.4 Typ.

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

TC1240AECIR

Microchip Technology, Inc
SOT23-6

TC4421CPA

Microchip Technology, Inc
DIP8

TC4420COA

Microchip Technology, Inc
SOP-8