

## Driver 1.5A 1-OUT High Side Non-Inv Automotive 8-Pin SOIC N Tube



Images are for reference only

[Inquiry](#)

**Manufacturer:** [Microchip Technology, Inc](#)

**Package/Case:** SOP-8

**Product Type:** Drivers

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active

### General Description

The TC4431/4432 are 30V CMOS buffer/drivers suitable for use in high-side driver applications. They will not latch up under any conditions within their power and voltage ratings. They can accept, without damage or logic upset, up to 300mA of reverse current (of either polarity) being forced back into their outputs. All terminals are fully protected against up to 4 kV of electrostatic discharge. Under-voltage lockout circuitry forces the output to a "low" state when the input supply voltage drops below 7V. For operation in lower voltages, disable the lockout and start-up circuit by grounding pin 3(LOCK DIS); for all other situations, pin 3 (LOCK DIS) should be left floating. The under-voltage lockout and start-up circuit gives brown out protection when driving MOSFETS.

### Key Features

Wide Operating Range: 4.5V to 30V

High Capacitive Load Drive Capability: 1000pF in 25nsec

Short Delay Times: < 78nsec Typ.

Low Supply Current

With Logic '1' Input: 2.5mA

With Logic '0' Input: 300  $\mu$ A

Low Output Impedance: 7 $\Omega$  Typ.

Latch-Up Protected: Will Withstand >0300mA

Reverse Current

ESD Protected: 4kV

### 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**

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SOP-8