

Driver 6A 1-OUT Low Side Non-Inv Automotive 8-Pin SOIC N Tube

Manufacturers	Microchip Technology, Inc
Package/Case	SOIC-8
Product Type	Power Management ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for TC4420EOA or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The TC4420/4429 are 6A (peak), single output MOSFET drivers. The TC4429 is an inverting driver (pin-compatible with the TC429), while the TC4420 is a non-inverting driver. These drivers are fabricated in CMOS for lower power, more efficient operation versus bipolar drivers. Both devices have TTL-compatible inputs, which can be driven as high as $V_{DD} + 0.3V$ or as low as $-5V$ without upset or damage to the device. This eliminates the need for external level shifting circuitry and its associated cost and size. The output swing is rail-to-rail ensuring better drive voltage margin, especially during power up/power down sequencing. Propagational delay time is only 55nsec (typ.) and the output rise and fall times are only 25nsec (typ.) into 2500pF across the usable power supply range. Unlike other drivers, the TC4420/4429 are virtually latch-up proof. They replace three or more discrete components saving PCB area, parts and improving overall system reliability.

For product comparison, please consider: MCP1407

Features

Latch-Up Protected Will Withstand >1.5A Reverse Output Current

Logic Input Will Withstand Negative Swing Up to 5V

Matched Rise and Fall Times: 25nsec

High Peak Output Current: 6A Peak

Wide Operating Range: 4.5V to 18V

High Capacitive Load Drive: 10,000pF

Short Delay Time: 55nsec Typ.

Logic High Input, Any Voltage: 2.4V to VDD

Low Supply Current With Logic '1' Input: 450 μ A

Low Output Impedance: 2.5 Ω

Output Voltage Swing to Within 25mV of Ground or VDD

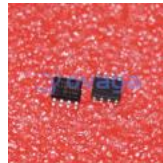


Related Products



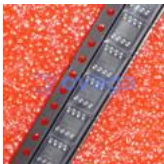
[TC7662BEOA](#)

Microchip Technology, Inc
SOIC-8



[TC4428EOA](#)

Microchip Technology, Inc
SOIC-8



[TC4426AEOA](#)

Microchip Technology, Inc
SOIC-8



[TC4426EPA](#)

Microchip Technology, Inc
PDIP-8



[TC7107ACKW](#)

Microchip Technology, Inc
MQFP-44



[TC1015-1.8VCT713](#)

Microchip Technology, Inc
SOT-23-5



[TC7662BCOA713](#)

Microchip Technology, Inc

SOIC-8



[TC4421EPA](#)

Microchip Technology, Inc

PDIP-8