
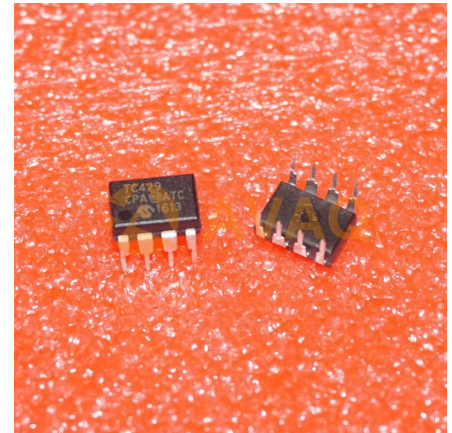


Driver 6A 1-OUT Low Side Inv 8-Pin PDIP Tube

Manufacturer:	Microchip Technology, Inc
Package/Case:	DIP8
Product Type:	Drivers
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	NRND



Images are for reference only

[Inquiry](#)

General Description

The TC429 is a high-speed, single output, CMOS-level translator and driver. Designed specifically to drive highly capacitive power MOSFET gates, the TC429 features 2.5 Ω output impedance and 6 A peak output current drive. This device can typically switch a 2500 pF capacitive load in 25 nsec, with a typical delay time through the device of 60 nsec. Rapidly switching the load will minimize MOSFET transition power loss. The device will accept TTL and CMOS input logic voltages, or any voltage input up to 18V without damage, producing an output signal which will swing within 25 mV of the power rails. Logic input current is under 10 μ A, making direct interface to CMOS/bipolar switch-mode power supply controllers easy, input "speed-up" capacitors are not required, and the CMOS design minimizes quiescent power supply current requirements. For noninverting applications, or applications requiring latch-up protection, see the MCP1406/7 data sheet.

Please consider this deviceMCP1406

Key Features

High 6A Peak Output Current

Wide 7 to 18V Operating Voltage Range

High-Impedance CMOS Logic Input

Logic Input Threshold Independent of Supply Voltage

Low Supply Current

5mA Maximum With Logic 1 Input

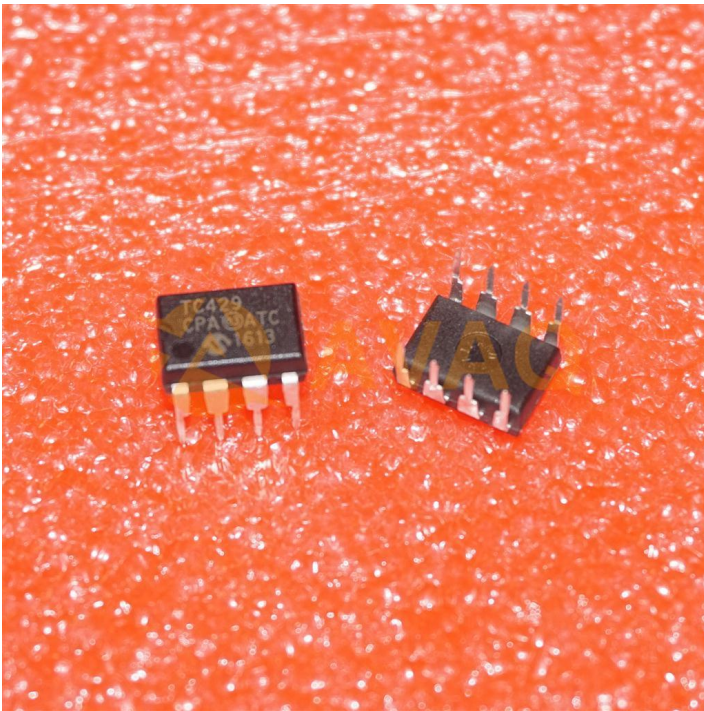
0.5mA Maximum With Logic 0 Input

Output Voltage Swing Within 25mV of Ground or VDD

Short 75ns Maximum Delay Time

High Capacitive Load Drive Capability

35nsec Maximum Rise and Fall Time With 2500pF Capacitive Loads



Recommended For You

TC7660COA

Microchip Technology, Inc
SOP8

TC54VC3002ECB713

Microchip Technology, Inc
SOT-23

TC4428ACOA

Microchip Technology, Inc
SOP8

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

TC7660HEOA

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SOP-8