

## 3A DUAL HIGH-SPEED MOSFET DRIVERS

### FEATURES

- Tough CMOS™ Construction
- Latch-Up Protected: Will Withstand 1.5A Reverse Current
- Logic Input Will Withstand Negative Swing Up to 5V
- ESD Protected ..... 4 kV
- High Peak Output Current ..... 3A
- Wide Operating Range ..... 4.5V to 18V
- High Capacitive Load Drive Capability ..... 1800 pF in 25 ns
- Short Delay Times ..... <40 ns Typ
- Consistent Delay Times With Changes in Supply Voltage
- Matched Rise/Fall Times
- Logic High Input, Any Voltage ..... 2.4V to  $V_{DD}$
- Logic Input Threshold Independent of Supply Voltage
- Low Supply Current
  - With Logic "1" Input ..... 3.5 mA
  - With Logic "0" Input ..... 350  $\mu$ A
- Low Input Impedance ..... 3.5W Typ
- Output Voltage Swing to Within 25 mV of Ground or  $V_{DD}$
- Pinouts Same as TC1426/27/28; TC4426/27/28
- Available in Inverting, Noninverting, and Differential Configurations

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### FUNCTIONAL DIAGRAM

