



KIOSK 2 Driver ICs & Solid State Relays

Wide Selection

Gate Drivers

- Low side gate drivers
 - 1.5 A to 30 A
 - Automotive grade 4 A, 5 A, 9 A, and 14 A drivers
- 600 V half-bridge gate drivers
- Optically isolated gate drivers

Solid State Relays, Optically Isolated

- MOSFET-based
 - Normally-Open (1-Form-A), Up to 22 A with heatsink, Load voltage from 30 to 1000 V
 - Normally-Closed (1-Form-B), Up to 3.25 A, Load voltage from 30 to 800 V
- Thyristor-based (1-Form-A), Up to 20 A with heatsink, Blocking voltage from 400 to 800 V
- Fault-Protected (current-limit, thermal shutdown) for the most robust applications such as elevators and railway control

Integrated Circuits

- Linear Optocouplers for switch-mode power supply feedback
- High-Speed Digital Optoisolators for isolated data and clock control in Power over Ethernet (PoE)
- High-Voltage IC Switches up to 600 V for AC-power and ultrasonic transducer switching

Depletion Mode MOSFETs (Normally-Closed Transistor)

- Ideal for power fail and security applications
- Range of 60 V to 800 V, 20 mA to 600 mA
- Applications like constant current sources, solid state relays, and high voltage DC lines in power systems require N-channel depletion-mode power MOSFETs that operate as normally-on switches when the gate-to-source voltage is zero ($V_{GS} = 0$ V)

IX4351NE SiC MOSFET Gate Driver

- Separate 9 A peak source and sink outputs
- -10 V to +25 V operating voltage range
- Internal negative charge pump regulator for selective negative gate driver bias
- TTL & CMOS compatible input
- Desaturation detection and soft shutdown
- UVLO and TSD
- Internal 4.6 V regulator
- FAULT output

