

IXD0579M High-Side and Low-Side Gate Driver

Problem / Solution

The IXD0579M is a 100 V, high-speed gate driver that supports both high-side and low-side configurations, enabling the control of two N-channel MOSFETs or IGBTs in a half-bridge setup. The IXD0579M logic inputs are compatible with standard TTL and CMOS levels down to 3.3 V to interface easily with controlling devices. The driver outputs offer 1.5 A source and 2.5 A sink current capability, protected from cross-conduction.

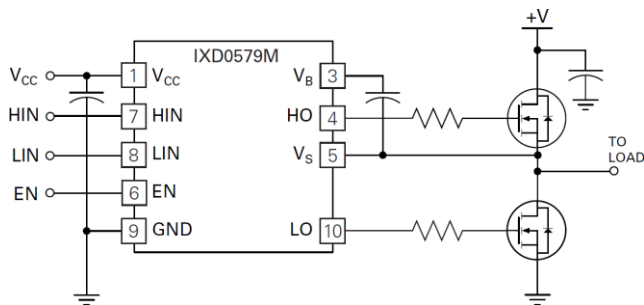
Technical Resources



Series Page

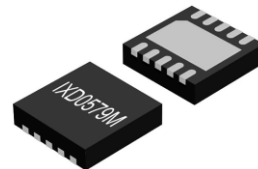


Datasheet



Benefits

- Second source for supply assurance
- Drives a broad range of MOSFETs and IGBTs
- No input logic level shifter required
- Prevents MOSFETs and IGBTs from turning on simultaneously



3 × 3 mm² TDFN-10

Features

- Common pinout configuration
- +6.5 V to +18 V V_{CC} supply voltage range
- TTL / CMOS compatible logic inputs
- Integrated cross-conduction protection

Markets / Applications

- Brushless DC (BLDC) motor drivers
- Battery-powered hand tools
- DC-DC converters
- Power supplies



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