

MSP100V5

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100V High-Current Full Bridge Driver

General Description

The MSP100V5 is a dual half bridge driver. Each channel can be controlled independently for high voltage switching regulators. Or they can be driven by complementary signals as in a bridge tied load (BTL) audio amplifier setup.

The MSP100V5 is available in a 20-pin SOIC package with an exposed PAD for enhanced thermal performance. The low shutdown current means it's ideal for green DC to DC applications and has low standby power loss.

The MSP100V5 has fault protection circuitry for over temperature, and over current at either output. The inputs for both channels are compatible with standard logic levels.

Typical Application

Features

- **A** Switching Frequency up to 1 MHz
- Fault Output
- Thermal Protection
- Protected 150 mohm Internal switches
- Input & BOOT Under Voltage Lock Out (UVLO)
- +/- 5A peak output current
- 1.5 mA Operating Current
- All Switches Current limited

Applications

- Class D Audio Drivers
- Full or Half-Bridge DC-DC Switching
- Motor Drivers
- Wireless Chargers
- Voltage Converters

