

# **Ir2153 High Voltage Inverter**





## Overview

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What is ir2153d IC?

The IR2153D is an improved version of the popular IR2155 and IR2151 gate driver ICs, and incorporates a high voltage half-bridge gate driver with a front-end oscillator similar to the industry standard CMOS 555 timer. Note: Complete Technical Details can be found in the IR2153 datasheet given at the end of this page. IR2153 Equivalent ICs.

What is an ir2153 gate driver IC?

The IR2153 is an improved version of the popular IR2155 and IR2151 gate driver ICs. The IR2153 provides more functionality and is easier to use than previous ICs. A shutdown feature has been designed into the CT pin, so that both gate driver outputs can be disabled using a low voltage control signal.

What makes ir2153 unique?

The IR2153 stands out as a resilient and adaptable integrated circuit, admired for its array of advanced features tailored to elevate both efficiency and performance. One of its notable aspects is the integrated 600V gate driver, an element pivotal in managing and controlling power levels effectively in high-voltage contexts.

What is ir2153 Max Voltage?

Max. Because of the IR2153's application specificity toward off-line supply systems, this IC contains a zener clamp structure between the chip VCC and COM which has a nominal breakdown voltage of 15.6V.



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Understanding the IR2153: An In-Depth Look at Its ...

Nov 11, 2024 · High-Voltage Gate Driver Incorporated in the IR2153, the high-voltage gate driver is essential for handling circuits demanding robust isolation and exceptional efficiency. This ...

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IR2153 Drive IC: Introduction, Pinout and Features , Heisener ...

Sep 26, 2024 · The IR2153 is a high-voltage half-bridge gate driver IC designed for driving power MOSFETs and IGBTs in applications such as motor control, power inverters, and switching ...

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Data Sheet No. PD-6.062A IR2153

Nov 13, 2019 · The IR2153 is a high voltage, high speed, self-oscillating power MOSFET and IGBT driver with both high and low side referenced output channels. Proprietary HVIC and ...

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IR2153

IR2153 - Gate driver ICs , Infineon TechnologiesThe mission of DesignSoft is to develop high-tech engineering and educational simulation software including modeling services for electronics, ...

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Sep 22, 2021 · The IR2153D is an improved version of the popular IR2155 and IR2151 gate driver ICs, and incorporates a high voltage half-bridge ...

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Digital Inverter Circuit Using IC IR2153 , Complete DIY Guide

Nov 25, 2025 · Learn to build a digital inverter circuit using IC IR2153. Full working principle, components, step-by-step construction, and FAQs included for DIY projects.

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IR2153 Datasheet (PDF)

IR2153 Datasheet (HTML) - International Rectifier IR2153 Product details Description The IR2153D (S) are an improved version of the popular IR2155 and IR2151 gate driver ICs, and ...

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ir2153\_53D

Oct 12, 2019 · The IR2153/IR2153D is a high voltage, high speed, self-oscillating power MOSFET and IGBT driver with both high and low side referenced output channels. Proprietary HVIC and ...

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