



Shaoxing Yuli Semiconductor CO., LTD

绍兴宇力半导体有限公司



U44273 Data Sheet

V 1.1

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General Description

The U44273 single-channel, high-speed, low-side gate driver device is capable of effectively driving MOSFET and IGBT power switches.

Logic inputs are compatible with standard CMOS or LSTTL output, down to 3.3V logic. Provide high peak pulling/charging current pulses for capacitive loads, while also providing rail to rail drive Dynamic ability and short propagation delay.

The U44273 is designed to operate over a wide VDD range of 5V to 20V and wide temperature range of -40°C to 140°C. Internal Under voltage Lockout(UVLO) circuitry on VDD pin holds output low outside VDD operating range.

Product Summary

VCC	5V - 20V
IO+/-	2.5A / 3.0A
VCCCon/off(typ.)	4.8V & 4.5V
ton/off (typ.)	120ns & 300ns
Work Tem	-40°C~125°C

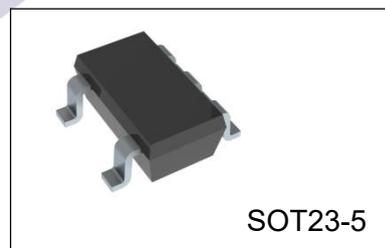
Key Features

- Output held low when input pin is floating
- Gate drive supply range from 5V to 20V
- Under voltage lockout for both channels
- 3.3V 5V logic compatible
- Separate logic supply range from 3.3V to 20V
- CMOS Schmitt-triggered inputs with pull-down
- Cycle by cycle edge-triggered shutdown logic

Applications

- Home appliances
- Industrial applications and drives
- Motor drivers
- DC, AC, PMDC and PMAC motors
- HVAC

Packages



Product Information

Base Part Number	Package Type	Standard OUT		V _{CC}	Logic Control
		IO+	IO-		
U44273	SOT23-5	2.5A	3.0A	20V	IN

1、Version Record

Date	Rev.	Description
2021/04/19	1.0	First Release
2022/11/12	1.1	Change the Header

2、Contact

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