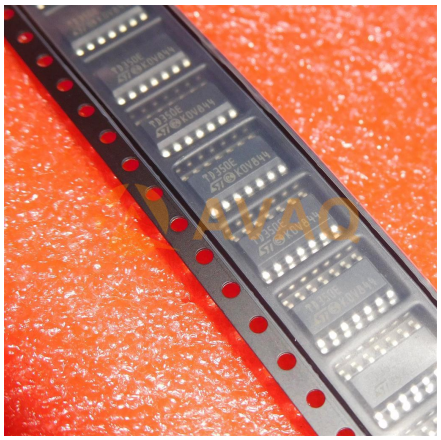
TD350E

Driver 5V 2-OUT High Side Inv 14-Pin SOIC Tube

Manufacturer:	STMicroelectronics, Inc
Package/Case:	SOP14
Product Type:	Drivers
RoHS:	RoHS Compliant/Lead free
Lifecycle:	Active



Images are for reference only

Inquiry

General Description

The TD350E device is an advanced gate driver for IGBTs and power MOSFETs. Control and protection functions are included and allow the design of high reliability systems. The innovative active Miller clamp function eliminates the need for negative gate drive in most applications and allows the use of a simple bootstrap supply for the high side driver. The device includes a two-level turn-off feature with adjustable level and delay. This function protects against excessive overvoltage at turn-off in case of overcurrent or short-circuit conditions. The same delay set in the two-level turn-off feature is applied at turn-on to prevent pulse width distortion. The device also includes IGBT desaturation protection and a FAULT status output, and is compatible with both pulse transformer and optocoupler signals.

Key Features

1.5 A source/2.3 A sink (typ.) gate drive

Active Miller clamp feature

Two-level turn-off with adjustable level and delay

Desaturation detection

Fault status output

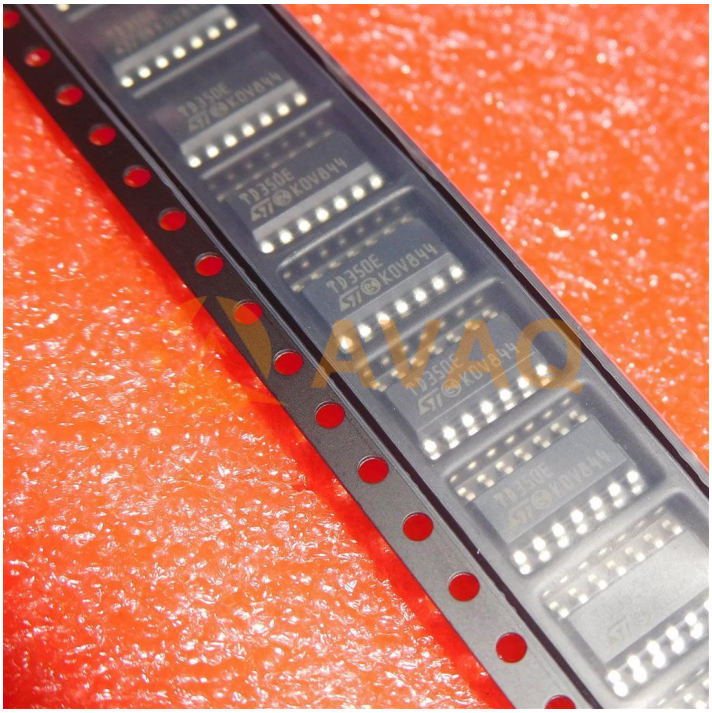
Negative gate drive capability

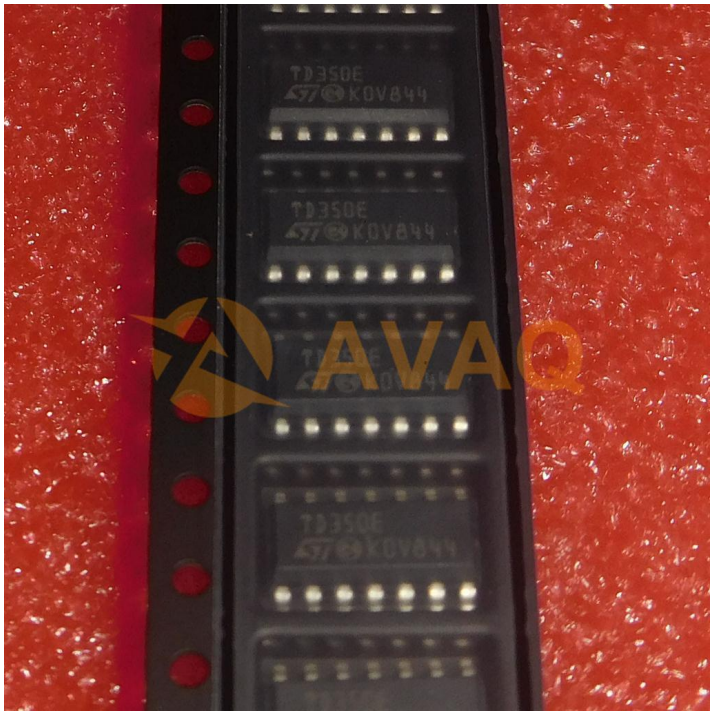
Input compatible with pulse transformer or optocoupler

Separate sink and source outputs for easy gate driving

UVLO protection

2 kV ESD protection (HBM)





Recommended For You

TDE1767DP

STMicroelectronics, Inc

DIP8

TDE1747DP

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DIP8

L6562ATD

STMicroelectronics, Inc

SOP

TDE1798DP

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DIP8

TD352IDT

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SOP8

TDE1747FP

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SOP14

TD350EIR

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SOP14

TD310ID

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SOP-16

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