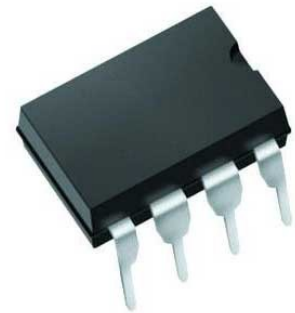


Power Switch Hi Side 1-OUT 0.5A 8-Pin PDIP Tube



Images are for reference only

[Inquiry](#)

Manufacturer: [STMicroelectronics, Inc](#)

Package/Case: DIP8

Product Type: Switches

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

The TDE1798 is an interface circuit delivering high currents and capable of driving any type of loads. The output is protected from short-circuits with the positive supply or ground. In addition thermal shut down is provided to keep the IC from overheating. If internal dissipation becomes too high, the driver will shut down to prevent excessive heating. The output stays null after the overload is off, if the reset input is low. If high, the output will alternatively switch on and off until the overload is removed. Higher current can be obtained by paralleling the outputs of several devices. In this case, the device can be reactivated simultaneously after an over load if their reset input are connected in parallel. The device operates over a wide range of supply voltages from standard ± 15 operational amplifier supplies to the single $\pm 6V$ or $+35V$ used for industrial electronic systems. Input voltage can be higher than the VCC. The output is low in open ground conditions.

Key Features

- No need for external clamping diode for demagnetization energy up to 150mJ
- Sink and source alarm outputs
- Several devices can be connected in parallel
- Input voltage can be higher than Vcc
- Differential inputs for any logic system compatibility
- 500mA High output current
- Internal thermal protection with external reset and synchronization capability
- Output voltage can be lower than ground for fast inductive load demagnetization
- Open ground protection

Recommended For You

TDE1767DP

STMicroelectronics, Inc
DIP8

TD350E

STMicroelectronics, Inc
SOP14

TDE1747DP

STMicroelectronics, Inc
DIP8

L6562ATD

STMicroelectronics, Inc
SOP

TD352IDT

STMicroelectronics, Inc
SOP8

TDE1747FP

STMicroelectronics, Inc
SOP14

TD350EIR

STMicroelectronics, Inc
SOP14

TD310ID

STMicroelectronics, Inc
SOP-16

TDE3247FPT

STMicroelectronics, Inc
SOP14

TDE1747FPT

STMicroelectronics, Inc
SOP14

TDE3247FP

STMicroelectronics, Inc
SOP-14

TDE1787ADP

STMicroelectronics, Inc
DIP8

TDE1898CFPT

STMicroelectronics, Inc
SOP20

TDE1767ADP

STMicroelectronics, Inc
DIP8

TDE1787DP

STMicroelectronics, Inc
DIP8