
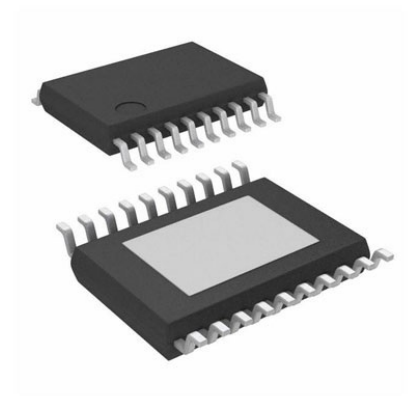


Current Limit SW 4-IN 4-OUT to 3A 20-Pin HTSSOP EP Tube

Manufacturer:	STMicroelectronics, Inc
Package/Case:	HTSSOP-20
Product Type:	Switches
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The IPS4260L is a monolithic high speed (FSW up to 250 kHz) device, which can drive four independent capacitive, resistive or inductive loads with one side connected to supply voltage. The channels can be parallelized to reduce power dissipation. When connected to Vcc rail, four integrated catch diodes clamp the turn-off transients generated by inductive loads even with huge inductance; combined with proper external TVS connected to VCC or to GND the IC allows fast decay, too. Each channel is protected against overload or short circuit event: the intervention level can be set by an external resistor on ILIM pin . Built-in thermal shutdown protects the chip against overtemperature even in case of short-circuit. If enabled, the integrated cut-off protection features a non-dissipative protection in case of overload; it limits both the output average current value and, consequently, the device overheating. Cut-off delay/restart can be programmed by external resistors on CoD pin; it can be disabled by shorting CoD to GND. Two common diagnostic open drains pins (OL, for open load and FLT for cut-off and thermal shutdown) together with the four open drain on each INx pin (cut-off and thermal shutdown) feature an extensive diagnostic of the chip.

Key Features

8 V to 50 V operating voltage range

Four independent protected channels

VCC undervoltage lock-out

High speed operation (tr, tf)

Programmable load current limitation level by external resistor

Typical operating load current: 0.5 A (per channel) / 2 A (one channel)

Thermally independent junction overtemperature protections

Programmable non-dissipative short-circuit protection (cut-off) by external resistor

Open load (off-state) and short-to-ground activated by external pull-down resistors

Fast demagnetization of inductive loads with integrated catch diodes clamping turn-off transients

Ground and VCC wire break protection

VCC overvoltage protection

Common open load diagnostic

Common thermal shutdown and overload diagnostic

Per channel thermal shutdown diagnostic

Designed to meet IEC 61131-2

Miniaturized HTSSOP20 package

Recommended For You

VIPER06LN

STMicroelectronics, Inc

DIP-7

VIPER318HDTR

STMicroelectronics, Inc

SOP

STIPQ3M60T-HL

STMicroelectronics, Inc

SMD

STIPNS2M50T-H

STMicroelectronics, Inc

NSDIP-26L

IPS2050HIR

STMicroelectronics, Inc

VQFN

VIPER012LS

STMicroelectronics, Inc

SSOP-10

VIPER17HN

STMicroelectronics, Inc

DIP7

VIPer12ADIP - E

STMicroelectronics, Inc

DIP8

VIPER26LN

STMicroelectronics, Inc

DIP

VIPER222XSTR

STMicroelectronics, Inc

10-SOP

VIPER16HN

STMicroelectronics, Inc

DIP-7

IPS1025HFTR

STMicroelectronics, Inc

N

VIPER122LSTR

STMicroelectronics, Inc

SSOP10

VIPER011XS

STMicroelectronics, Inc

SSOP-10

VIPER012BHSTR

STMicroelectronics, Inc

10-SOP