

Power Load Distribution Switch, High Side, 2 Outputs, 5.5V, 2.8A, 0.045ohm, UDFN-10

Manufacturers	ON Semiconductor, LLC
Package/Case	uDFN-10
Product Type	Power Management ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for NCP383LMUAJAATXG or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The NCP383 is a single input dual outputs high side power distribution switch designed for applications where heavy capacitive loads and short circuits are likely to be encountered, incorporating two very low RDSON, Nchannel MOSFETs in a single package. Each channel of the device limits the output current to a desired level by switching into a constant current mode when the output load exceeds the current limit threshold or a short is present. The current limit threshold is externally fixed with pull down resistor placed between ILIM and GND. The power switches rise and fall times are controlled to minimize current ringing during turn on off. An internal reverse voltage detection comparator disables the power switch if the output voltage is higher than the input voltage to protect devices on the input side of the switches. The /FLAGx logic output asserts low during overcurrent, reverse voltage or over temperature conditions. The switch is controlled by a logic enable input active high or low.

Features

Operating Range

2.7 V to 5.5 V

Current Limit

Adjustable up to 2.8 A

Current Limit Accuracy

Very Fast Over Current Detection Response

2 μ s

Very Low Standby Current

Maximum 1 μ s

Soft Start

Prevents Inrush Current

UL Listed

File E343275

IEC60950-ED2-AMD1 Certified

Application

ONSEMI

Related Products



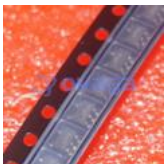
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