

## Conv DC-DC 15V to 50V Step Down Single-Out 5.1V to 40V 2A 20-Pin Power PDIP Tube



Images are for reference only

<b>Manufacturer:</b>	<a href="#">STMicroelectronics, Inc</a>
<b>Package/Case:</b>	DIP20
<b>Product Type:</b>	Power Management ICs
<b>Lifecycle:</b>	LTB

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### General Description

The L4972A is a stepdown monolithic power switching regulator delivering 2A at a voltage variable from 5.1 to 40V.

Realized with BCD mixed technology, the device uses a DMOS output transistor to obtain very high efficiency and very fast switching times. Features of the L4972 include reset and power fail for microprocessors, feed forward line regulation, soft start, limiting current and thermal protection. The device is mounted in a Powerdip 16 + 2 + 2 and SO20 large plastic packages and requires few external components. Efficient operation at switching frequencies up to 200KHz allows reduction in the size and cost of external filter component.

### Key Features

PWM LATCH FOR SINGLE PULSE PER PERIOD

UNDER VOLTAGE LOCK OUT WITH HYSTERETIC TURN-ON

SWITCHING FREQUENCY UP TO 200KHz

VERY HIGH EFFICIENCY

CONTINUOUS MODE OPERATION

THERMAL SHUTDOWN

RESET AND POWER FAIL FUNCTIONS

### Recommended For You

#### TL431CDT

STMicroelectronics, Inc

SOP8

#### L4974A

STMicroelectronics, Inc

DIP20

#### L4941BV

STMicroelectronics, Inc

TO220

**L4995JTR**

STMicroelectronics, Inc  
HSSOP12

**L4981AD**

STMicroelectronics, Inc  
SOP20

**L4981AD013TR**

STMicroelectronics, Inc  
SOP20

**L4981BD**

STMicroelectronics, Inc  
SOP20

**L4931ABD33-TR**

STMicroelectronics, Inc  
SOP-8

**L4978**

STMicroelectronics, Inc  
DIP8

**L4979MD013TR**

STMicroelectronics, Inc  
SOP-20

**TL431ACZ-AP**

STMicroelectronics, Inc  
TO-92

**L4984D**

STMicroelectronics, Inc  
SSOP10

**TL431ACZ**

STMicroelectronics, Inc  
TO-92

**TL431AIZ**

STMicroelectronics, Inc  
TO-92

**TL431CL3T**

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SOT23