



Product Overview

NCP4629: Linear Voltage Regulator, LDO, Wide Input Range, 500 mA

For complete documentation, see the data sheet

Product Description

The NCP4629 is a CMOS 500 mA Very Low Dropout Out Linear Voltage Regulator, which features excellent dropout performance, a high input voltage range of 4V to 24V and a low quiescent current. Several protection features like current limiting and thermal shutdown are fully integrated to create a versatile and robust device. A high maximum input voltage (36 V) and wide temperature range (-40°C to 105°C) makes the NCP4629 an ideal choice for high power industrial applications. Output voltages options are available in a range from 3.0V to 12.0V in 0.1V steps: contact your sales representative for specific output voltages.

Features	Benefits
<ul style="list-style-type: none">Wide Input Voltage range: 4V to 24VVery low dropout: less than 250 mVOutput voltages available from 3.0V to 12.0V in 0.1V stepsOperating temperature range -40°C to +105°CMaximum Input voltage tolerance 36V	<ul style="list-style-type: none">Suitable for a wide range of industrial applicationsAllows very tight voltage conversion usually reserved only for switchers

Applications	End Products
<ul style="list-style-type: none">Power supplies, POL	<ul style="list-style-type: none">Cable boxes, satellite receivers, entertainment systemsOffice equipment: copiers, printers, fax machines, scanners, projectors, monitorsCar audio equipment, navigation systems

For more information please contact your local sales support at www.onsemi.com

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