

Product Overview

NCP4625: Linear Voltage Regulator, LDO, 10 V Input, 300 mA

For complete documentation, see the data sheet.

The NCP4625 is a CMOS Linear voltage regulator with 300 mA output current capability. The device is capable of operating with input voltages up to 10 V, with high output voltage accuracy and a low temperature drift coefficient. The NCP4625 is easy to use, with output current foldback protection and a thermal shutdown circuit included. A Chip Enable function is included to save power by lowering supply current. Output voltages are available in 100mV steps between 1.2V and 6.0V. The device comes in a choice of three packages: SC70-5, SOT23-5 and SOT89-5, and is available in two output configurations: standard output or auto-discharge. Contact your local sales representative for a specific voltage, package and output configuration.

Features

- Operating Input Voltage Range: 2.6 V to 10 V
- Low Supply Current: 23 uA at zero load
- Current Fold Back and Thermal Shutdown Protection
- Chip enable feature
- High PSRR: 70 dB at 1 kHz

Benefits

- Good choice for product products with 4 'A' type batteries
- Maximize battery life
- Suitable for a wide range of applications
- lowers standby current to less than 1uA to save power

Applications

- Battery products powered by Two Lithium Ion cells

End Products

- Toys, industrial products

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

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