

Product Overview

NCP4641: Linear Voltage Regulator, LDO, Wide Input Range, 150 mA

For complete documentation, see the data sheet.

The NCP4641 is a 150mA CMOS Voltage Regulator with a wide input voltage range of 4V to 36V and a maximum input tolerance up to 50V. The device has a low quiescent current and its multiple protection features include a peak current limit circuit, a short circuit current limit and a thermal shutdown mechanism. The device is available a SOT-89-5 where space is at a premium. The SOIC8-TL package which has greater power dissipation capability can be introduced on request. Output voltages in 100mV steps are available from 2.0V to 12V. Contact your sales representative with specific requirements.

Features

- Input voltage range from 4V to 36V
- Low Iq at 9uA typical
- Enable pin allows the device to be disabled
- Output Voltage Range: 2.0V to 12.0V in 100mV steps.
- Built in peak and short current limit circuit
- Maximum Input Voltage tolerance of 50V

Benefits

- High tolerance for high input Voltage.
- Longer battery life or reduced power dissipation
- In Shutdown mode, current consumption is reduced to 0.1uA typical.

End Products

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

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