

NCP4640

Linear Voltage Regulator, Wide Input Range, 50 mA

Product Overview

For complete documentation, see the data sheet.

The NCP4640 is a 50mA 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 in a SOT-89-5 where space is at a premium. The SOIC6-TL package which has greater power dissipation capability may be introduced on demand. Voltage options are available in 100 mV steps from 2.0V to 12.0V. Contact your sales representative with specific requirements.

Features

- Low Iq at 9uA typical
- Operating Input voltage range of 4V to 36V
- Enable pin available to place device in standby
- Maximum input voltage tolerance of 50V
- Output Voltage Range: 2.0V to 12.0V in 100mV steps

Benefits

- Excellent choice for battery powered applications
- Suitable for a wide range of industrial applications
- Standby current: 0.1uA typ.

End Products