

Product Overview

BCT3511S

DC/DC Controller for 1 Watt White LED Lighting

General Description

The BCT3511S is a constant frequency charge pump DC/DC Converter designed for driving 1 watt white LED in lighting application.

Features

- On chip DC/DC converter
- Wide input voltage range: 1.8V to 3.6V
- Enter flash mode without hardware switch
Flash mode is enabled by power ON, then OFF -> ON within 1 second
- Maximum output current: 350mA
- Internal Thermal Protection Circuit
- Minimum Components Count being used : 3 x 1uF and 1 x 470uF
- Wide operation temperature
In torch application: -20°C to 70°C
- Current sensing and controlled by external resistor at pin CS
- MCU on/off control pin SHDNB
- Available in SOP14 package

Applications

- White LED Torch / Head Lamp
- Emergency Lighting

Typical Application Circuit

