

Product Overview

BCT3211S

DC/DC Controller for White LED Torch / Head Lamp

General Description

The BCT3211S is a constant frequency charge pump DC/DC Converter used for white LED applications.

Features

- On chip DC/DC converter
- Wide input voltage range: 1.5V 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: 200mA
- Wide operation temperature
In torch application: -20°C to 70°C
In back light application: 0°C to 70°C
- Output current adjustable by external resistor at pin CS
- μC on/off control pin SHDNB
- Available in SOP16 package and die form

Applications

- White LED Torch / Head Lamp
- Back Light Driver
- Handheld Electronics

Typical Application Circuit

