Direct Sensing Non-isolated LED Driver

Description

- A non-isolated buck regulator circuit that senses output the output voltage to regulate the output current
- The output is sensed directly with a voltage controlled current source and regulates the output current

Benefits

- Eliminates the sense resistor and optocoupler required to sense the output current
- Increases efficiency
- Reduces component count
- Could be used with: Light emitting diode (LED) applications

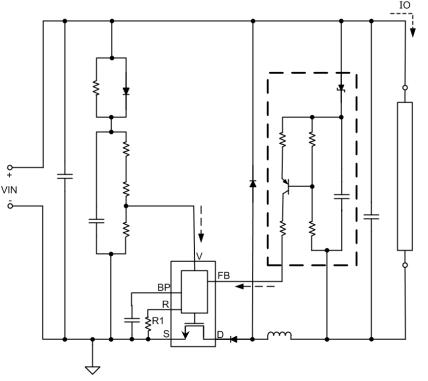


Figure 1. Example non-isolated LED driver which senses the output voltage to regulate the output current

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