# LM3406 - 1.5A High Voltage, Constant Current Buck Regulator for Driving High Current LEDs EVM

(ACTIVE) LM3406HVEVAL

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## Key Document

- AN-1993 LM3406HV Evaluation Board with 2 Wire Dimming (Rev. B)
  (PDF 1358 KB)
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## Description

The LM3406HV is a buck regulator controlled current source designed to drive a series string of high power, high brightness LEDs (HBLEDs) at forward currents of up to 1.5A. The converter`s output voltage adjusts as needed to maintain a constant current through the LED array.

The LM3406HV circuit and BOM that come pre-installed on the evaluation board are optimized to run from an input voltage of 24V, but the circuit can operate from a wide input voltage range of 6.0V to 75V. The current output ranges from 0.35A to 1.5A. shows the program jumper settings used to program currents of 0.35A, 0.7A, 1A, and 1.5A.

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## Technical Documents

### User Guides (1)

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| AN-1993 LM3406HV Evaluation Board with 2 Wire Dimming (Rev. B) | Read Abstract | PDF | 1358 | 01 May 2013 | 255 | ✓ |

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| LM3406HV-Q1 | 1.5A Automotive Constant Current Buck Regulator for Driving High Power LEDs | LED Driver |

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