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# Constant Current 3 Ampere Pwm Dimmable Buck Regulator Led

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Characteristic Symbol Notes Rating Unit

Supply Voltage  $V_{IN}$  -0.3 to 50 V

Bootstrap Drive Voltage  $V_{BOOT}$  -0.3 to  $V_{IN}$  ... Constant-Current 3-Ampere PWM Dimmable Buck Regulator LED

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The A6211 is a buck regulator designed for driving a high-current LED string. It utilizes average current mode control to maintain

Constant-Current 3-Ampere PWM Dimmable Buck Regulator LED ... Constant-Current 3-Ampere PWM Dimmable Buck Regulator LED Driver Package 8-pin SOICN with exposed thermal pad (suffix LJ): Applications:

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Typical Application Circuit Not to scale

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Regulator LED current pathways during current supply and current regeneration with a PWM drive. Figure 3 illustrates the current pathway during motor current supply and current regeneration with the PWM drive. In Figure 3 above, when current is supplied (a), Q1 and Q4 are turned ON, connecting the motor to the power supply. Constant Current Operation Based on PWM Drive This is our famous Constant Current PWM with Liquid Crystal Controller and Display. Get the ultimate in PWM and HHO Cell control at your fingertips. The LCD is used to control the PWM by setting the constant current amps, frequency, float switch monitoring and much more. During normal use, the PWM displays the volts, amps, frequency and duty percent. Constant Current PWM with LCD

Controller - \$249.00 ...Constant-Current 3-Ampere PWM Dimmable Buck Regulator LED Driver A62119 Allegro MicroSystems, Inc. 115 Northeast Cutoff Worcester, Massachusetts 01615-0036 U.S.A. 1.508.853.5000; www.allegromicro.com at any time, a series resistor (1 k $\Omega$ ) is required to limit the current flowing into the EN pin. A6211 datasheet (9/17 Pages) ALLEGRO | Constant-Current 3 ... The LT3741 simplifies the design of constant-current, constant-voltage regulators by combining an accurate current regulator and an accurate voltage regulator in a single IC, thus eliminating power system design trade-offs. The LT3741 is a synchronous buck DC/DC controller designed to regulate output currents up to 20A and output voltages up to 34V,

with a current regulation accuracy of  $\pm 6\%$  ... Accurate Constant-Current, Constant-Voltage 20A Power ... IS32LT3953 Integrated Silicon Solution, Inc. - www.issi.com 1 Rev. 00A, 11/29/2013 CONSTANT-CURRENT 3-AMPERE PWM DIMMABLE BUCK REGULATOR LED DRIVER Advanced Information December 2013 GENERAL DESCRIPTION The IS32LT3953 is a DC-to-DC switching converter datasheet search, datasheets, Datasheet search site for Electronic Components and Semiconductors, integrated circuits, diodes and other semiconductors. IS32LT3953 datasheet (1/10 Pages) ISSI | CONSTANT-CURRENT 3 ... Constant-Current 3-Ampere PWM Dimmable Buck Regulator LED Driver A62118 Allegro MicroSystems,

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 constant current source to 1 amp and we  
 have connected a load of 1 ohm across  
 the output. If 1 amp flows through the  
 circuit, then we should expect to see a  
 voltage of 0.1V across the 0.1-ohm  
 resistor and so, therefore, we tune the  
 potentiometer such that a voltage of  
 0.1V is fed into the positive terminal of  
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**ALLEGRO | Constant-Current 3 ...**

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Typical Application Circuit Not to scale  
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High-output, Positive Constant Current

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