Product Overview

The 7027 “BuckToot” LED Power Module is a true constant-current regulated driver for LEDs. Unlike standard power supplies, which deliver a fixed voltage to the output, the BuckToot LED driver is designed to reliably vary the output voltage as required to deliver a stable constant current to the LED(s). The BuckToot exhibits very high efficiency and does not require external current limiting resistors or additional heat sinking.

The extremely small form-factor of the 7027 BuckToot makes it the ideal choice for many MR-11 and MR-16 integration applications since it can easily be incorporated into the housing assembly. Fully potted and sealed from harsh environments, the BuckToot measures only 10mm diameter x 19mm long and is supplied with 150mm 24AWG colored leads. Custom sizes can be created to meet customer requirements. Contact LuxDrive for more information.

Features

- DC input power up to 28V surge protected
- True constant current output
- Extremely small form-factor
  - (10mm diameter x 19mm length)
- Output open and short circuit protection

Typical Applications

- Solar & Landscape Lighting
- Architectural Lighting
- Track Lighting
- Automotive & Marine Lighting
- Portable Lighting & Flashlights
- Point of Purchase Lighting
- Desk & Reading Lamps
- Signal & Marker Lighting
- Cabinet & Display Case Lighting
- Sign & Channel Letters
- Much More...

* - Units can be customized for OEM applications - Contact LuxDrive for more information

© 2008 LuxDrive, A Division of LEDynamics, Inc.
44 Hull Street - Randolph, Vermont 05060-0444
PH: 802.728.4533 FAX: 802.728.3800
www.LuxDrive.com
Part Number Identification Table

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Input</th>
<th>Output Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>7027-D-350</td>
<td>5-28 Volts DC</td>
<td>350mA</td>
</tr>
</tbody>
</table>

*Other currents available by special order.

Absolute Maximum Ratings

Input Voltage ................. 28V DC

Typical Characteristics

Output current tolerance (within specified temp. range) . . ±10%
Efficiency ...................... Up to 94%
Input Voltage Minimum ............ 5V<sub>DC</sub>
Input Margin (Vin - Vout) .......... 2V<sub>DC</sub>
Ripple Current .................. 15%

Specifications

Output current, 7027-D-xxx ............. 350mA

Allowable case operating temperature . . . . -40+85°C
Storage temperature ............... -40+125°C

Physical Dimensions

![Physical Dimensions Diagram](image_url)

Shown approximately actual size