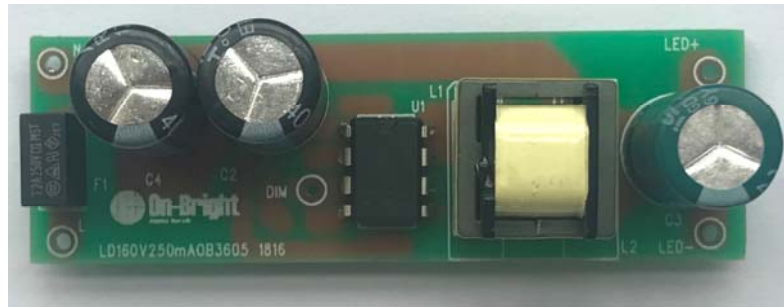


Subject  
**OB3605R Demo Board Manual**

Board Model: LD160V0.25A3605R 1816

Doc. No.: OB\_DOC\_DBM\_3605R01



## Key Features

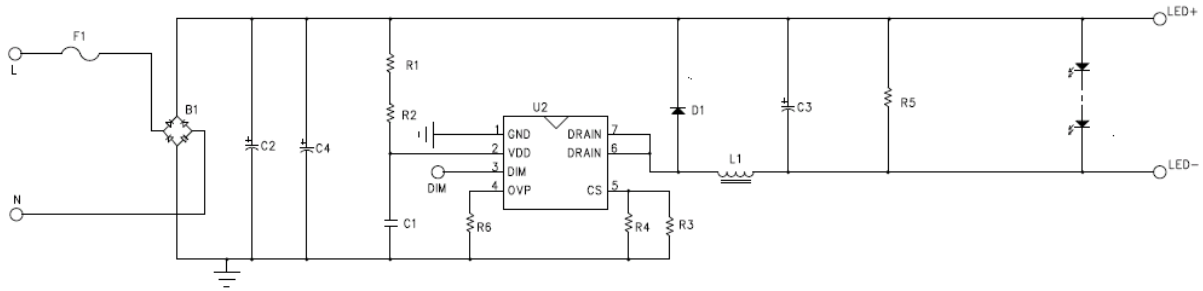
- High efficiency(>95%@220Vac) non-isolated application
- Lowest possible component counts
- High precision output current regulation
- PWM dimming
- Short circuit protection, over voltage protection and thermal foldback function

## Revision History

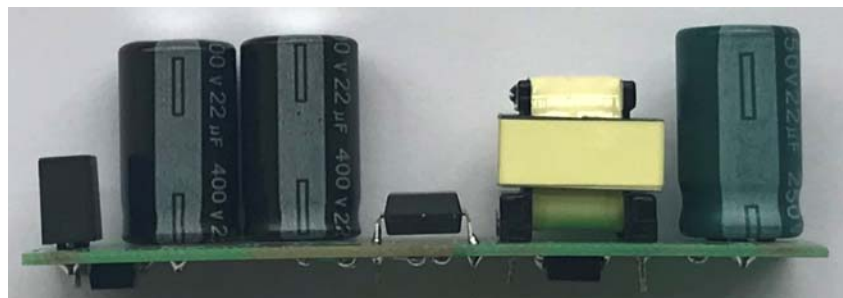
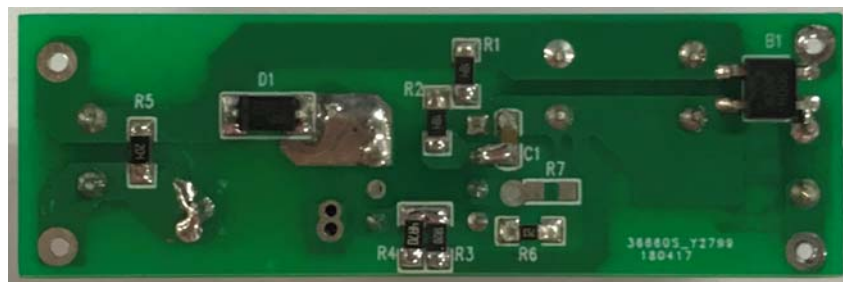
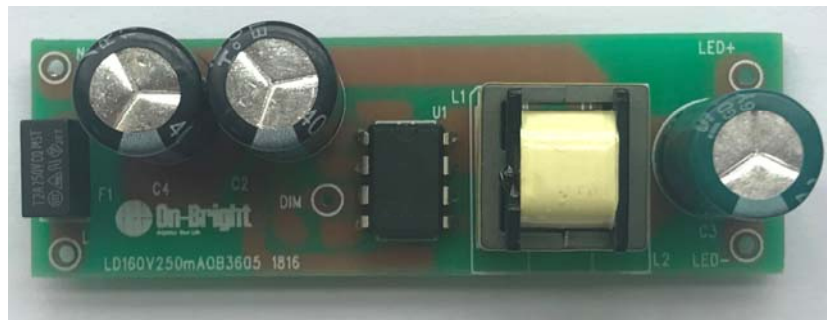
Revise Date	Version	Reason/Issue
2018/04/26	00	First issue
2018/10/16	01	Update BOM and Transformer

## 1 LED Lighting Information

### 2.1 Schematic



### 2.2 Module Snapshot



Size: 70mm(L) \* 22mm(W) \* 20mm(H)

## 2 Performance Evaluation

### Characterization Results Summary

Test Item	Test result
<b>1. Input characteristics</b>	
Efficiency (220Vac, Full load)	95.39%
<b>2. Output characteristics</b>	
Current overshoot	None
<b>3. Time sequence (176Vac, Full load)</b>	
Turn on delay time	45mS
<b>4. Protections</b>	
Short Circuit protection	OK
Over Voltage protection	OK
Over Temperature protection	OK

### Disclaimer

On-Bright Electronics reserves the right to make corrections, modifications, enhancements, improvements, and other changes to its documents, products and services at any time and to discontinue any product or service without notice. Customers should obtain the latest relevant information before placing orders and should verify that such information is current and complete.

This document is under copy right protection. None of any part of document could be reproduced, modified without prior written approval from On-Bright Electronics.