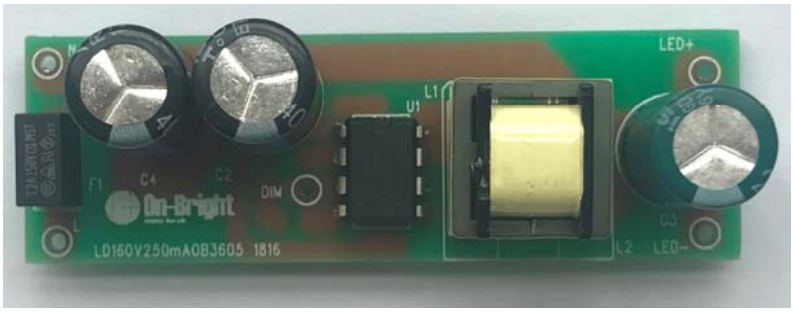
Subject

OB3605R Demo Board Manual

Board Model: LD160V0.25A3605R 1816

Doc. No.: OB_DOC_DBM_3605R01



Key Features

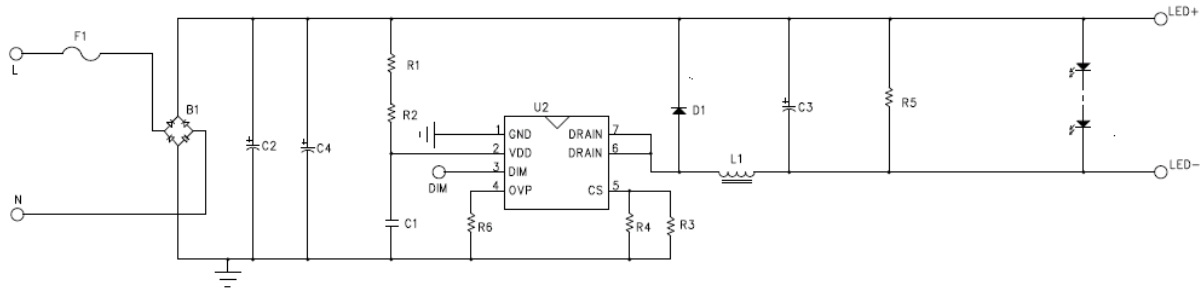
- High efficiency(>95%@220Vac) non-isolated application
- Lowest possible component counts
- High precision output current regulation
- PWM dimming
- Short circuit protection, over voltage protection and thermal foldback function

Revision History

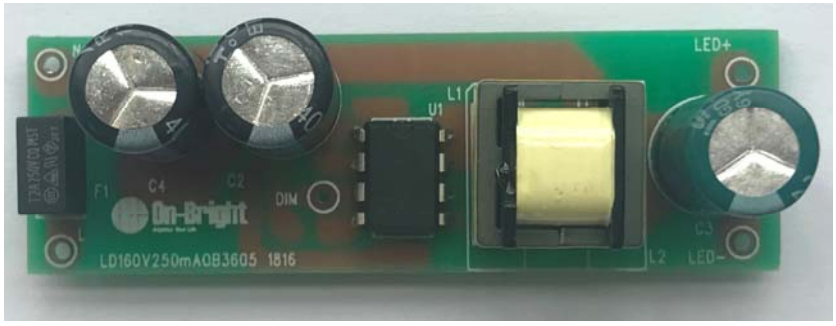
Revise Date	Version	Reason/Issue
2018/04/26	00	First issue
2018/10/16	01	Update BOM and Transformer

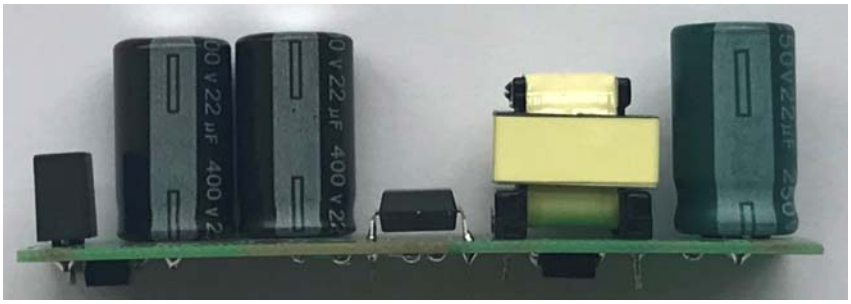
1 LED Lighting Information

2.1 Schematic



2.2 Module Snapshot





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

2 Performance Evaluation

Characterization Results Summary

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

Disclaimer