

Low-cost AC/DC controller for non-dimmable LED lighting

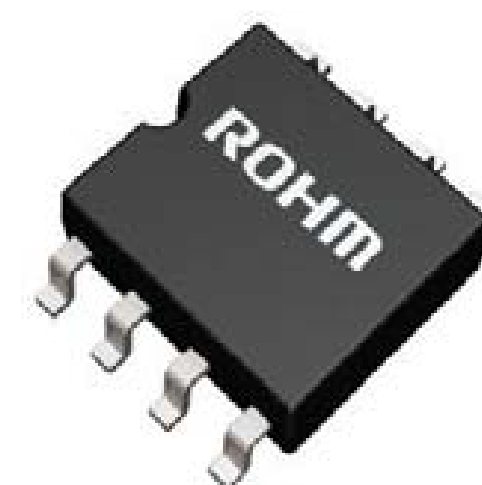
BM2Pxx Series



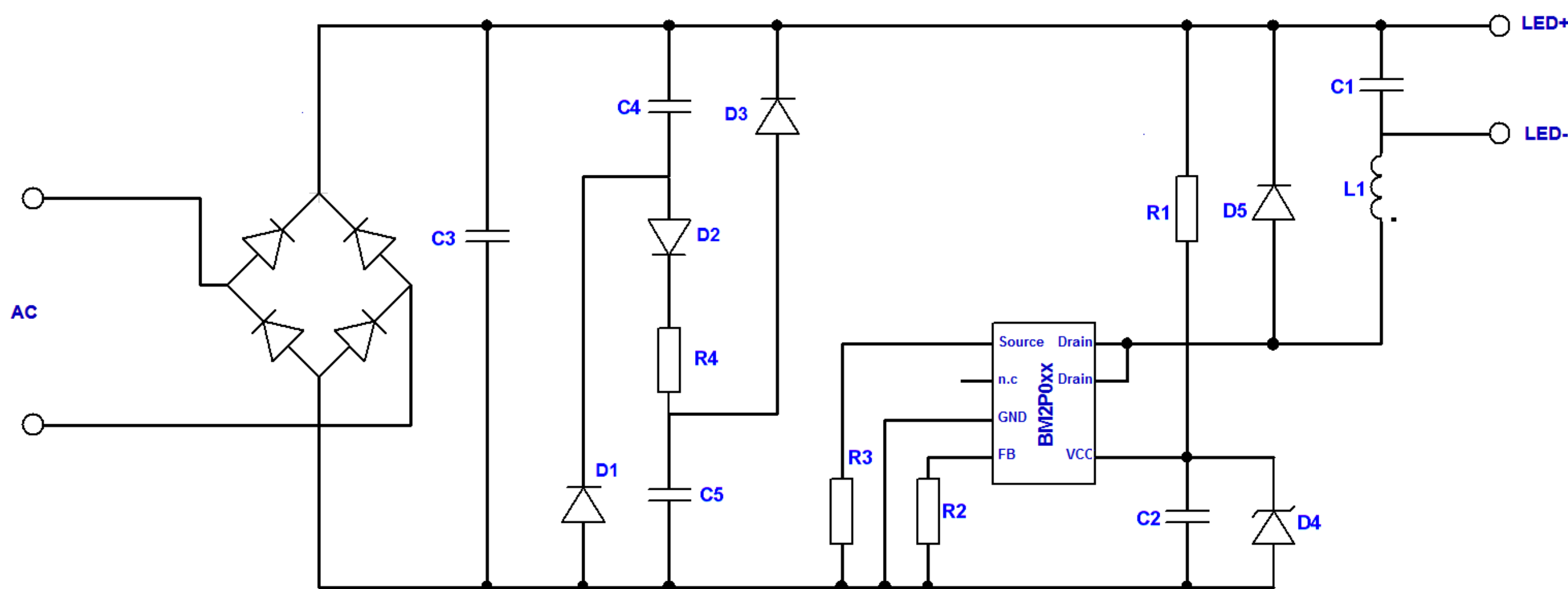
AC/DC controller IC to be used in a wide range of low-cost non-dimmable LED lighting driver applications up to 25W
Main target application is retrofit LED lighting (E27, E14, GU10, T8)

Features

- Integrated 650V MOSFET
- Fixed 65kHz DC/DC switching frequency
- Frequency hopping function to reduce EMI
- Fly-back topology for isolated or non-isolated system
- Optional accurate feedback (also for isolated)
- Peak current regulation with leading-edge blanking
- Thermal Shutdown protection (TSD)
- Over Voltage Protection (OVP) for IC supply
- Under Voltage Lock Out (UVLO)



Specifications



- Non-isolated buck topology.
- The BM2Pxx products have 650V MOSFET integrated with different RdsON characteristic .
- Due to integrated MOSFET a small size application can be achieved with the output power limited by the MOSFET specification.
- The circuit includes PFC passive valley-fill circuit