

BP818 Coupler Isolator

magnetically coupled isolator designed for high-speed signal transfer between primary and secondary circuits.

The BP818 features two built-in coupling coils and utilizes a magnetic core design to provide high isolation. The BP818 offers significant advantages over traditional couplers, such as low parasitic capacitance, high transfer ratio, and low insertion loss. It also operates without bias current on both primary and secondary sides, which greatly reduces power consumption. In combination with a microcontroller, the BP818 provides a high-performance switching solution.

The BP818 meets the global safety requirements for Class 1. It utilizes an LSOP-4 package with a maximum width of 8mm and isolation voltage up to 5000V. It is certified to IEC62368, TUV (IEC62368), CQC (GB4943.1), and other safety regulations.



BP818 package

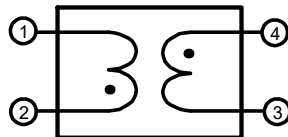


Figure 1. Electrical Schematic

BPS Co

Disclaimer

The information provided in this datasheet is believed to be accurate and reliable. However, Bright Power Semiconductor (BPS) reserves the right to make changes at any time without prior notice.

No license, to any intellectual property right owned by BPS or any other third party, is granted under this document. BPS provides information in this datasheet AS IS and with all faults, and makes no warranty, express or implied, including but not limited to, the accuracy of the information provided in this datasheet, merchantability, fitness of a specific purpose, or non-infringement of intellectual property rights of BPS or any other third party. BPS disclaims any and all liabilities arising out of this datasheet or use of this datasheet, including without limitation consequential or incidental damages.