

TI-PMLK Buck Würth Elektronik Edition

Order code 744732

The TI-PMLK Würth Elektronik Edition, developed in collaboration with Texas Instruments and Prof. Nicola Femia, is a learning kit that helps engineering students and electrical engineers study and understand the impact of magnetics on a buck power supply.

The TI-PMLK Würth Elektronik Edition is composed of a buck board and a free editable experiment book.

The board consists of two independent buck circuits with six different inductors that can be individually selected. The hands-on kit allows the users to investigate the performances of inductors with different core materials, inductance, and size to analyze their impact on the static and dynamic performance of regulators. The hardware has been designed to allow adjustable operating conditions such as switching frequency, EMI input filter, ambient temperature control. Over-voltage, over-current and polarity reversal protection by eFuse prevent the board from any damage.

A free experiment book with structured labs complete the learning kit. This fillable PDF experiments book allows for easy data entry and results sharing. It can be download at www.we-online.com/pmlk.

