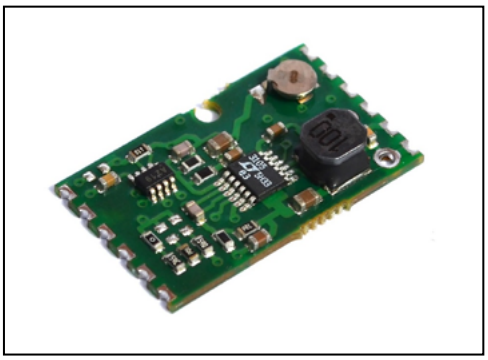
Adaptive® Micro-module A
ADEH-MM-A



Features

- MPPT technology
- High efficiency boost converter
- Auxilary LDO output
- Digital power monitor
- Low start-up voltage (430mV)
- Small form factor PCB for easy prototyping

Description

The Adaptive® Micro Module has been designed for energy harvesting, storage and management.

The board is optimised for either a very low input voltage thermoelectric generator (TEG) as a photovoltaic source. The latest maximum power point tracking (MPPT) technology and a high efficiency boost converter used for optimum operaation.

The board offers a highly efficient power converter function combined with a current measurement capability which allows the user to monitor the power generated in real-time.

Typical Specifications

Size	25mm (L) x 15mm (W) x 5mm (H)
Input voltage range (TEG harvester)	420mV - 5V
Output voltage 1 (TEG harvester)	3.3V
Output current 1 limit (TEG harvester)	500mA
Output voltage 2 (TEG harvester)	LDO 3.0V
Output current 2 (TEG harvester)	12mA

Further Information

- Kit application type - Power management
- Application sub type - Step up DC/DC converter, power monitor
- Silicon core number - LTC3105, INA219A
- Silicon manufacturer - Linear Technology and Texas Instruments

For more information visit: www.adaptivete.com