EFL700EVALKIT

EnFilm™ micro battery EFL700A39 evaluation kit

Data brief





Features

PMB:

- Manages the charge and voltage regulation of the EFL700A39
- Protects battery against deep discharge
- Allows battery recharging by external energy harvesting source or USB port
- Includes a super-capacitor to sustain high pulsed discharge current

LB:

- Includes an analog ammeter and a digital voltmeter to monitor: The current delivered by the source, the current going through the EFL700A39 battery, the battery voltage
- Includes a pulsed load emulator with the possibility to adjust the pulsed load cyclic ratio

Description

The EFL700EVALKIT is a kit which contains a power management board (PMB) and a load board (LB).

It allows discovering the operation of the EFL700A39 and monitoring the voltage and the dynamic charge / discharge current in real use-case conditions.

Table 1. Device summary

Parameter	Value
Dimensions	62 x 140 mm
Thickness	58 mm

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For further information contact your local STMicroelectronics sales office. www.st.com

1 References

For a functional description and guidelines on the use of the EFL700A39, please refer to the following publications:

- User manual UM1806: “EFL700A39 evaluation board kits and design-in board user guide“.
- Datasheet: EFL700A39: “EnFilm™ - rechargeable solid state lithium thin film battery”.

These documents are available at: www.st.com.

2 Ordering information

Table 2. Ordering information

Order code	Marking	Weight	Base qty	Delivery mode
EFL700EVALKIT	EFL700EVALKIT	130 g	1	Blister pack

3 Revision history

Table 3. Document revision history

Date	Revision	Changes
16-Jan-2015	1	Initial release.
20-Apr-2016	2	Updated cover image.
30-Jun-2016	3	Updated Features.

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