

Ultra-Thin Supercapacitor DMH series

DMHA14R5V353M4ATA0

Description

The DMH series is an ultra-thin supercapacitor which is designed for compact devices. It can contribute to adding high power function for devices while utilizing dead space.

Features

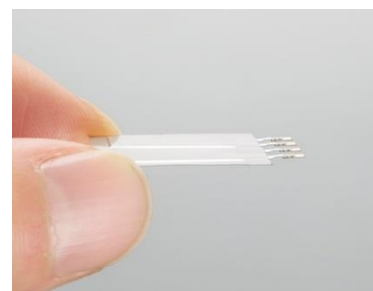
- Ultra-Thin 0.4 mm Max
- High Power (Capacitance: 35mF, low ESR 300 mΩ)
- Rated Voltage 4.5 V
- Operating temperature: -40° to 85°C

Benefits

- Boost Power in compact devices
- Battery Assist(high output/Low fluctuation)

Applications

- Wearable
- Smart Phone
- Smart Card
- Devices which using battery



| Part number | Rated voltage(V) | Capacitance (mF) | ESR @1kHz (mΩ) | LxW (mm) | Thickness (mm) | Operating temp. |
|--------------------|------------------|------------------|----------------|----------|----------------|-----------------|
| DMHA14R5V353M4ATA0 | 4.5 | 35 | 300 | 20x20 | 0.4 Max | -40~+85°C |

1. Appearance / Dimensions / Structure

This product consists of two supercapacitors. Each supercapacitor has a characteristic of 2.25V / 70mF / 150mΩ (Fig.1). This product can realize 4.5V / 35mF / 300mΩ when two balance terminals are connected to each other (Fig.2). All data in this sheet are specified under the condition that two terminals are connected (4.5V / 35mF / 300mΩ).

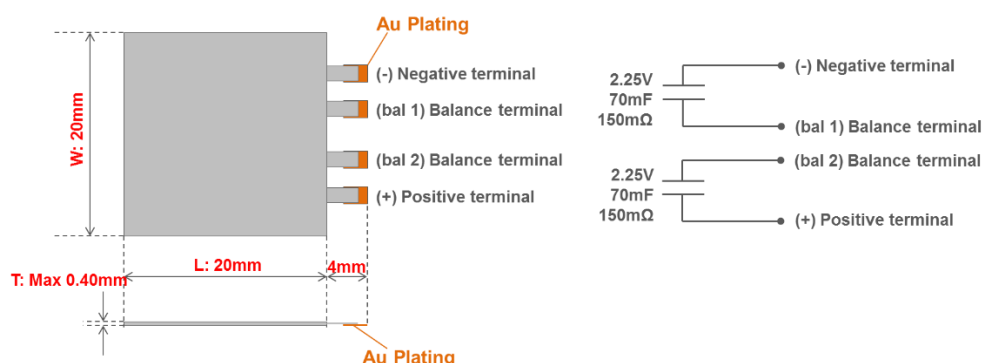


Fig. 1 Appearance and dimensions of the product

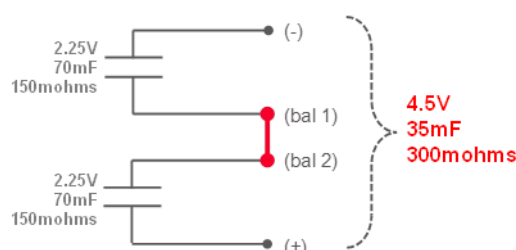
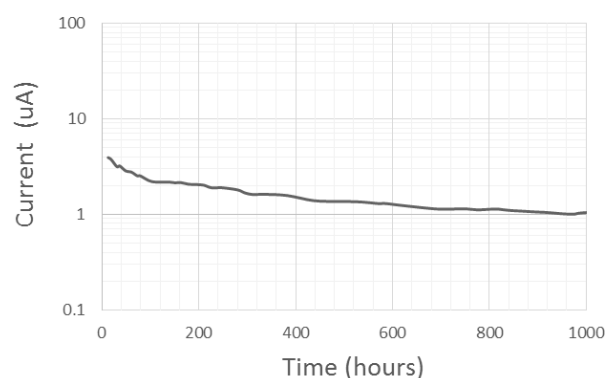


Fig. 2 Structure in all tests in this sheet

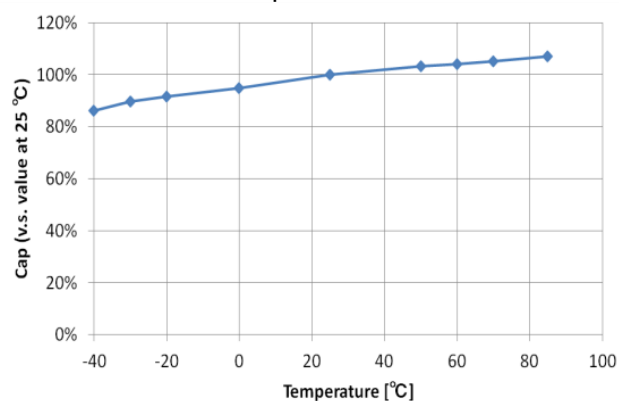
2. Electrical characteristics

(1) Charge current

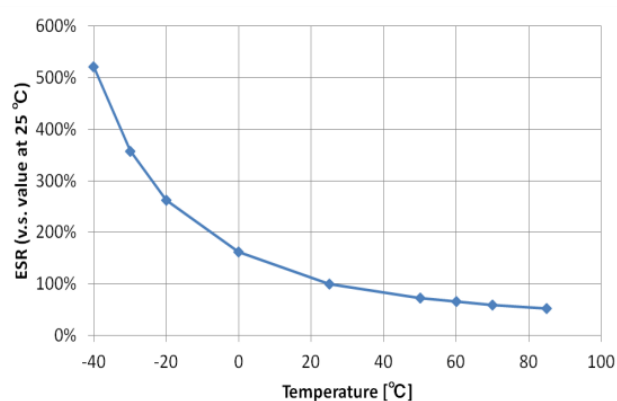


(2) Temperature characteristics

Capacitance

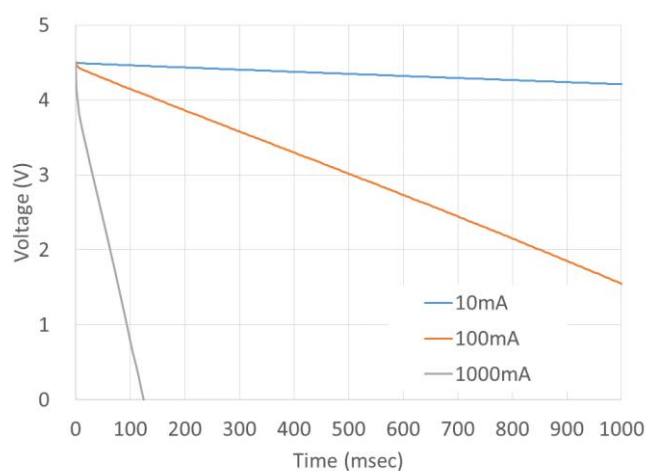


ESR

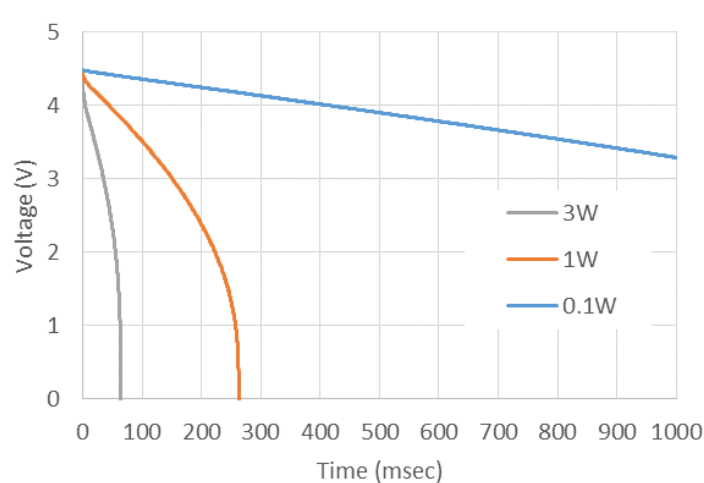


(3) Discharge characteristics

Constant current discharge



Constant power discharge



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