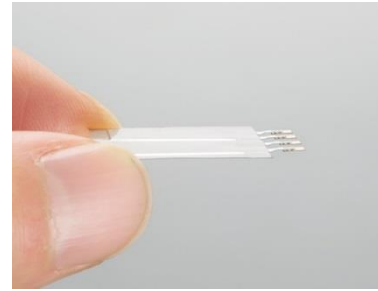


Ultra-Thin Supercapacitor DMH series

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).

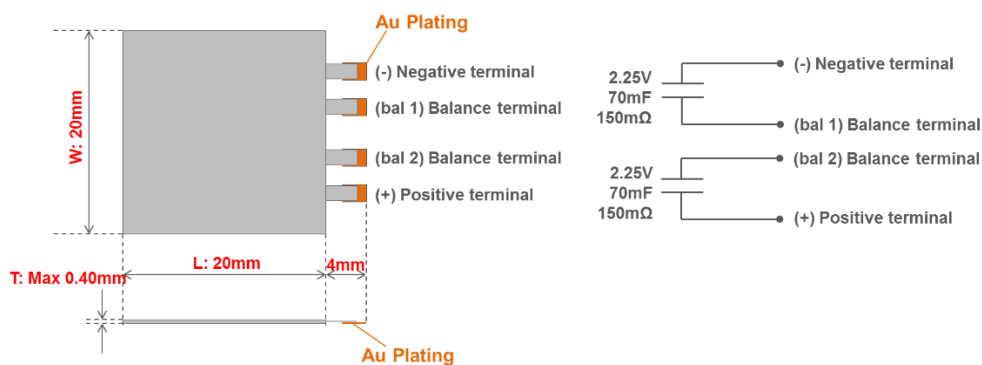


Fig. 1 Appearance and dimensions of the product

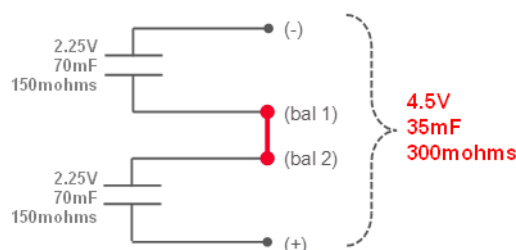
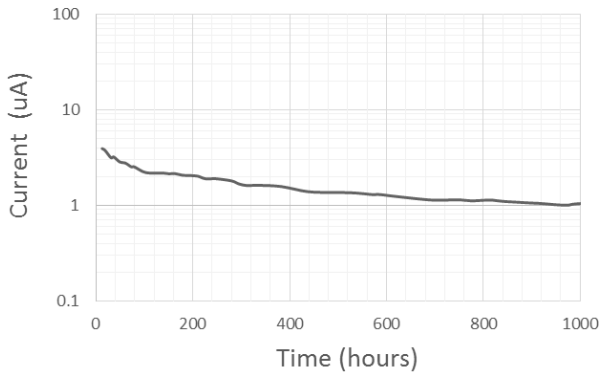


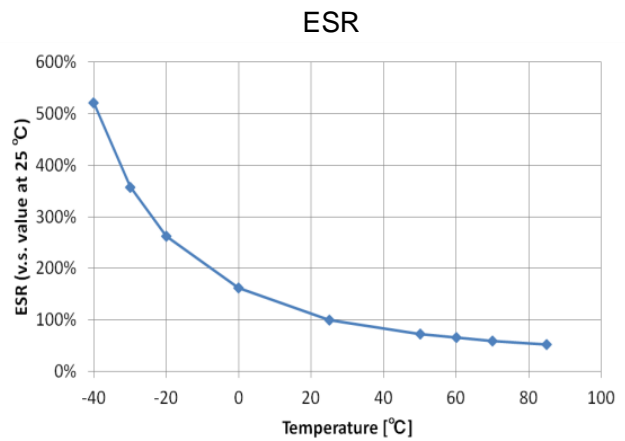
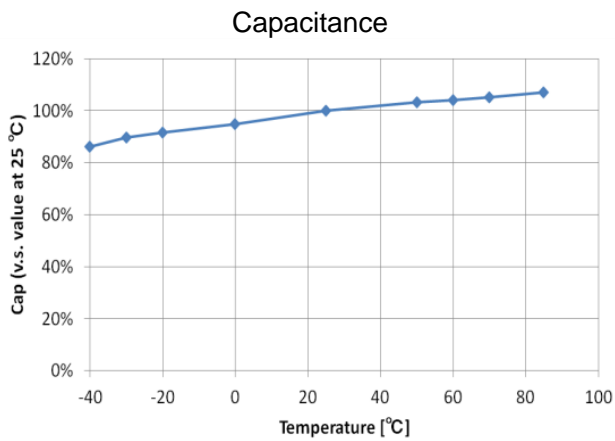
Fig. 2 Structure in all tests in this sheet

2. Electrical characteristics

(1) Charge current



(2) Temperature characteristics



(3) Discharge characteristics

