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

<table>
<thead>
<tr>
<th>Part number</th>
<th>Rated voltage(V)</th>
<th>Capacitance (mF)</th>
<th>ESR@1kHz (mΩ)</th>
<th>LxW (mm)</th>
<th>Thickness (mm)</th>
<th>Operating temp.</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMHA14R5V353M4ATA0</td>
<td>4.5</td>
<td>35</td>
<td>300</td>
<td>20×20</td>
<td>0.4 Max</td>
<td>-40 to +85°C</td>
</tr>
</tbody>
</table>

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