

# SUPER CAPACITOR

## SC1920-2.5F Brief Datasheet

### 1, BASIC SPECIFICATION:

| Items |                                 | Characteristic   |   |  |
|-------|---------------------------------|--|---|--|
|       |                                 | Standard   | Test condition  |  |
| 1.1   | Rated capacity                  | 2.5F   | The lowest capacity when charge @4mA rated, discharge @ 4mA to end-off voltage 0.1V |  |
| 1.2   | Nominal voltage                 | 2.7V   |   |  |
| 1.3   | Discharge end-off voltage       | 0.1V   |   |  |
| 1.4   | Equivalent Resistance in series | 30 Ω   | Test by instrument of interior resistance (AC1kHz)                                  |  |
| 1.5   | Charge voltage                  | 2.7 ±0.05V   |   |  |
| 1.6   | Charge time                     | Rated charge   | Approx. 0.5 hour  | Charge at 4mA  |
|       |                                 | Fast charge  | Approx. 0.1hour   | Charge at 8mA  |
| 1.7   | Max. charge current             | 16mA   |   |  |
| 1.8   | Max. discharge current          | 16mA   |   |  |
| 1.9   | Working temperature             | charge   | -25 - 70°C  |  |
|       |                                 | Discharge  | -25 - 70°C  |  |
| 1.10  | Storage temperature             | -20 – +45°C  |   |  |
| 1.11  | Average Weight                  | 1.5g ±0.05g  |   |  |
| 1.12  | Max. Size (mm)                  | Thickness  | Diameter  | The precision of vernier caliper is less than 0.02mm |
|       |                                 | 2.0 <sup>+0</sup> <sub>-0.2</sub>  | 1.9 <sup>+0</sup> <sub>-0.05</sub>  |  |
| 1.13  | Appearance                      | There is no defect in the surface, such as crack, change color, leaking or transfiguration |   | See by naked eyes                                    |

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## 2. **WARNING!**

- \* Do not overcharge, force discharge, short-circuit, disassemble, deform, heat or place the capacitor near a direct flame. Any of the above actions could cause it to ignite, explode or become damaged.
- \* Keep this capacitor out of the reach of children.

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