



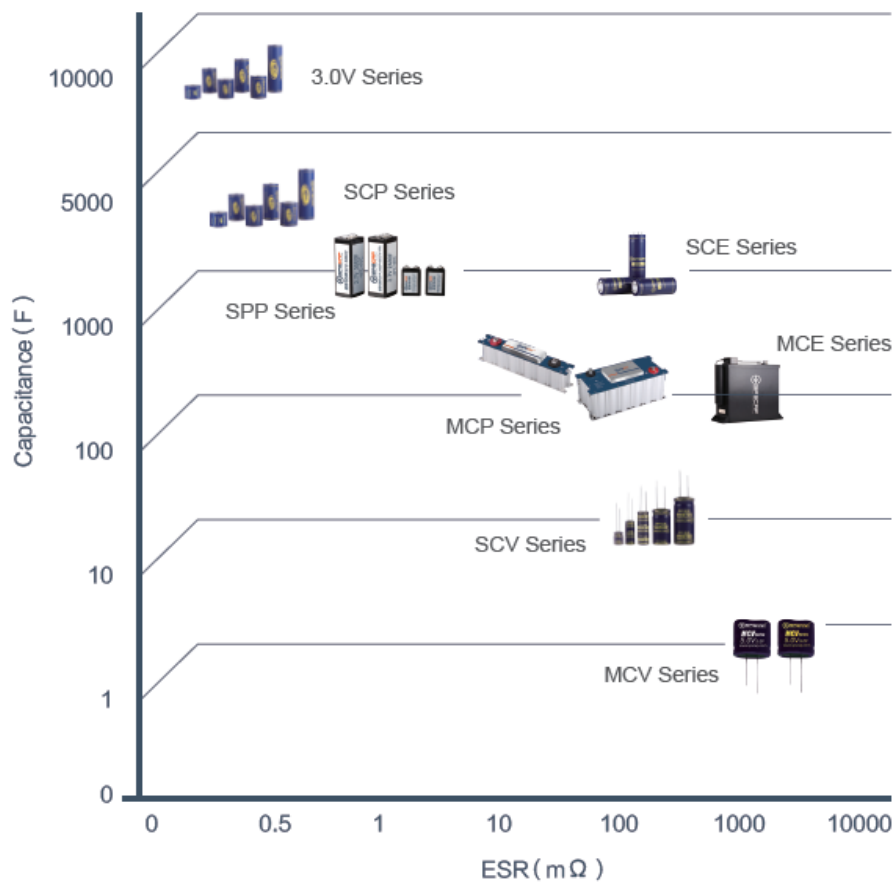
SUPER CAPACITORS (EDLC)

電気二重層キャパシタ



TOSHIN KOGYO CO.,LTD.

Products 商品構成



Features 特徴

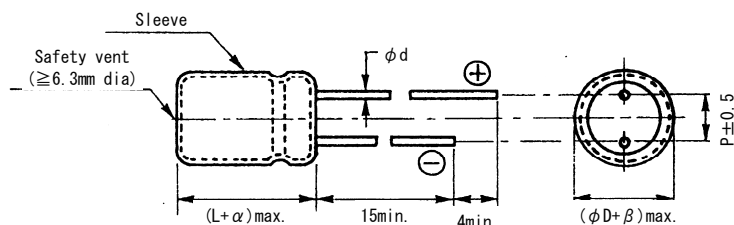
- Charge and discharge more than 1 million times is possible. (long life)
数百万サイクルの充放電が可能(長寿命)。
- The loss of charge and discharge is a little. (low internal resistance)
充放電時の損失が少ない(低い内部抵抗)。
- Capable of being charged and discharged rapidly.
大電流急速充放電が可能。
- It can completely discharge electricity. (There is not a limit of the depth of discharge.)
完全放電が可能(放電深度に制限がない)。
- It does not contain heavy metal. (Eco-friendly)
構成材料に重金属を含まない(環境に優しい)。
- Excellent safety at the time of abnormality. (In case of short-circuits, it does not break down.)
異常時の安全性が高く、外部短絡しても故障しない。

Small or Medium-sized products

小型・中型の製品

SCV series 2.5V / 2.7V 1F ~100F (Radial type)

●Diagram of dimensions 寸法図



●Performance specifications 性能

Rated voltage	2.5V	2.7V
Operation Temp.	-25°C ~ +70°C	-40°C ~ +60°C
Endurance	70°C 1000hrs	65°C 1500hrs

Rated Cap. (F)	Size (mm) φD×L	2.5V	2.7V
		ESR max (mΩ)	ESR max (mΩ)
1	8×11	500	220
2	8×14	300	120
3.3	8×21	200	90
7	10×22	90	45
10	10×26	80	35
25	16×27	40	20
60	18×42	25	12

*ESR : 1kHz

MCV series (Module) 5V ~ 24V

(Unit : SCV series 2.5V/2.7V 1F ~100F)



Application 用途

- Back up for Portable device 携帯機器用バックアップ
- Toys , Game console etc. おもちゃ・ゲーム機 等
- Back-up Power Supply system 予備電源用途
- Automatic Meter Reading (AMR) スマートメーター
- Feeder Terminal Unit (FTU) 給電終端装置
- Data Transfer Unit (DTU) データー転送装置

Large products

大型製品

MCP series (Module) 5V ~ 200V *Low internal resistance 低内部抵抗

(Unit : SCP series 2.5V/2.7V 1F ~ 100F)



MCE series (Module) 16V ~ 60V *Large Capacitance 大容量

(Unit : SCE series 2.7V 100F ~ 750F)



Application 用途

High voltage / Large capacitance modules (with balancing circuits) are available upon requests.
用途に合わせた電圧・大容量のモジュール(バランス回路付き)について承ります。

- UPS・Emergency power supply UPS・非常用電源
- Energy restoration Power-assist (Wind-generated electricity, Photovoltaic power generation)
電力出力平滑用 (風力発電、太陽光発電)
- Vehicle, Construction machine 車両用・建設機械用

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