

# Super small capacitor





## Overview

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What is a supercapacitor?

A supercapacitor, also known as an ultracapacitor or electric double-layer capacitor (EDLC), is a high-capacity electrochemical capacitor with capacitance values much higher than other capacitors (but lower voltage limits) that bridges the gap between electrolytic capacitors and rechargeable batteries.

What is the thinnest supercapacitor?

World's Thinnest Supercapacitors: The SCPA model measures down to just 0.4 mm in thickness, making it the thinnest supercapacitor available today. High Power Density: Designed to deliver rapid energy discharge for high-load applications. Low Self-Discharge: Ensures long-term energy retention and efficiency.

What are the characteristics of a super capacitor?

Super capacitors have several distinguishing characteristics: (1) High power density, which can reach up to 102-104 kW/kg, significantly higher than a battery's power density. (2) Long cycle life.

Do super capacitors have a high voltage?

However, super capacitors have very small voltage ratings, such as 2.5v, 2.7v and 5.5v (Some common values). This makes things difficult, as in order to make our capacitors capable of charging up to a higher voltage, we need to place them in series, which brings a bunch of other variables into play.



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### [Supercapacitors Get Smaller Than Ever](#)

Apr 14, 2023 · Supercapacitors are a hybrid between a battery and a capacitor. Capacitors store energy by accumulating charge on two conductive surfaces separated by a thin insulating ...

### [Prismatic Supercapacitors - High Power Storage , SCHURTER](#)

Prismatic Supercapacitors Our Prismatic Supercapacitors, developed in partnership with CAP-XX, provide high power ...



### [Murata Unveils the World's Smallest ...](#)

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### **Murata Debuts Super Small (0.16mm x 0.08mm) Multilayer Ceramic Capacitor**

Sep 20, 2024 · Murata Debuts Super Small (0.16mm x 0.08mm) Multilayer Ceramic Capacitor The new capacitor represents a



volume ratio that is approximately 75% lower than the existing ...

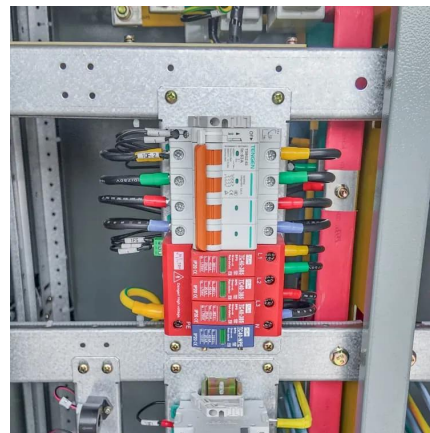


### Prismatic Supercapacitors - High Power Storage , SCHURTER

Prismatic Supercapacitors Our Prismatic Supercapacitors, developed in partnership with CAP-XX, provide high power density in an ultra-thin, lightweight design. These cutting-edge energy ...

### Supercap cells miniature size , prismatic 2.5V 2.75V

Ultra-thin miniature supercap cells Increasing demands on power density, charge and discharge cycles, life span and maintenance effort are forcing electronics developers to further ...



### SuperCapacitors (Double Layer Capacitors) , KYOCERA AVX

1 day ago · SuperCapacitors or Double Layer Capacitors have rapidly become recognized, not only as an excellent compromise between "electronic" or "dielectric" capacitors such as ...



## Wholesale Small Supercapacitor Manufacturer and Supplier, ...

Aug 21, 2025 · Introducing the Small Supercapacitor by GMCC Electronic Technology WUXI Ltd., a leading manufacturer and factory based in China. As a renowned company, we pride ...



## Murata Unveils the World's Smallest Multilayer Ceramic Capacitor ...

Sep 19, 2024 · Murata Manufacturing Co. Ltd has expanded its innovative range of multilayer ceramic capacitors (MLCCs) with yet another groundbreaking addition. Exemplifying Murata's ...

## Supercapacitors Get Smaller Than Ever

Apr 14, 2023 · Supercapacitors are a hybrid between a battery and a capacitor. Capacitors store energy by accumulating charge on two ...



## Murata Debuts Super Small (0.16mm x ...

Sep 20, 2024 · Murata Debuts Super Small (0.16mm x 0.08mm) Multilayer ...



### Super Small Size Capacitors

Nov 14, 2019 · Product Lineup (Super Small Size Capacitors -X7R) ? mark means packaging code. If you want to learn the code or quantity in detail, please see p80.



### World's Thinnest Supercapacitors , CAP-XX

Small in size. Big in performance. World's Thinnest Supercapacitors Small in size. Big in performance. Our supercapacitors combine ultra-slim form with high power output, so your ...

### SuperCapacitors (Double Layer Capacitors)

1 day ago · SuperCapacitors or Double Layer Capacitors have rapidly become recognized, not only as an excellent compromise between ...



### **China Small Size Supercapacitor, Small Size Supercapacitor ...**

The Small Size Supercapacitor is a standout piece in our Capacitor collection. Capacitors used in electronics manufacturing include ceramic, electrolytic, film, and tantalum capacitors. Each ...



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