

5.5V Supercapacitors for Hold-Up & Memory Back-Up Applications

Introducing High Capacitance 5.5V Coin Cell Products in Industry Standard Packages

- **Maintains Supply Integrity**

High capacitance, 0.1F to 1.5F, enables critical functions to continue or to be completed in a controlled manner during battery swap out or mains fail.

- **Extensive Offering**

The PowerStor[®] KR Series is available in three industry standard mechanical packages, cylindrical style, horizontal mount and vertical mount, each with six capacitance values from 0.1F to 1.5F.

- **Low Leakage Current**

Ultra-low leakage current levels make the KR Series ideal for battery powered equipment where loading needs to be minimized to prolong the operating time.

- **Space Saving**

High energy density allows the use of small 11.5mm to 21.5mm diameter low-profile packages with 5mm & 7.5mm thickness.

- **RoHS Compliant**

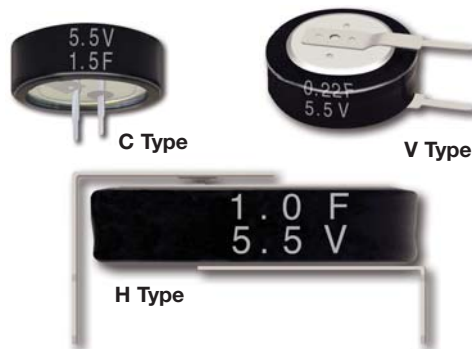
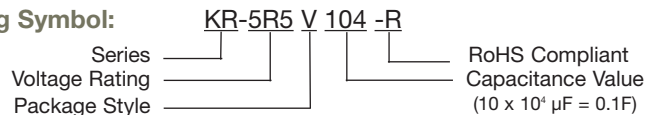
The full line of KR Series supercapacitors are RoHS compliant, lead free and present no disposal issues at end of life.



PowerStor® KR Series Supercapacitor Specifications

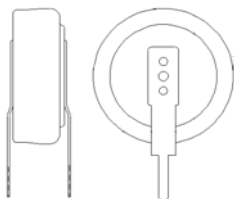


Catalog Symbol:



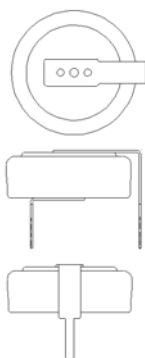
Package Styles and Dimensions

V Type



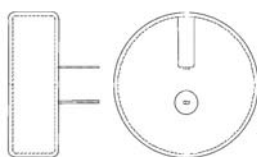
Capacitance (F)	Diameter (mm)	Height (mm)
0.1 - 0.47	11.5	5.0
0.1 - 1.5	19.0	5.0

H Type



Capacitance (F)	Diameter (mm)	Height (mm)
0.1 - 0.47	11.5	5.0
0.1 - 1.5	19.0	5.0

C Type



Capacitance (F)	Diameter (mm)	Height (mm)
0.1 - 0.47	13.5	7.5
0.1 - 1.5	21.5	7.5

Cooper Bussmann PowerStor® supercapacitors are unique, ultra-high capacitance devices utilizing electrochemical double layer capacitor (EDLC) construction combined with new, high performance materials.

The Cooper PowerStor KR Series combines a voltage rating of 5.5V with high capacitance by volume resulting in high energy density levels in excess of 10 Joules / cm³. This high-energy storage capability combined with more than 10 years of operating life makes the KR Series the ideal choice for many consumer, office & telecom equipment applications.

Typical Applications:

- Computer & peripherals
- Telephones
- DSL modems & routers
- Digital radios
- Set top boxes
- White goods & kitchen appliances
- Copiers
- Electric utility meters
- HVAC controls

Specifications	Values
Working Voltage	5.5V
Surge Voltage	6.3V
Nominal Capacitance Range	0.1 to 1.5F
Maximum Equivalent Series Resistance @ 1kHz	75 to 30Ω
Capacitance Tolerance	-20% to +80% @ 20°C
Operating Temperature Range	-25°C to +70°C

Order samples online - www.cooperbussmann.com

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