

## Coin cell supercapacitors KR and KW



# 5.5 V Supercapacitors for RTC hold-up and memory backup applications



KR family



KW family

### Description

High capacitance 5.5 V coin cell supercapacitors in industry standard packages. High capacitance, 0.1 F to 1.5 F, enables critical functions to be continued or completed in a controlled manner during battery swap out or mains fail for systems up to 5.5 V.

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

The KW family is available in cylindrical coin cell style with five capacitance values from 0.1 F to 1.0 F. The KW family is fully rated up to 85 °C.

### Space saving

High energy density allows the use of small 11.5 mm to 21.5 mm diameter low profile packages with 5 mm to 8.5 mm thickness.

### Low leakage current

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

### Environmentally friendly

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

### Applications

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

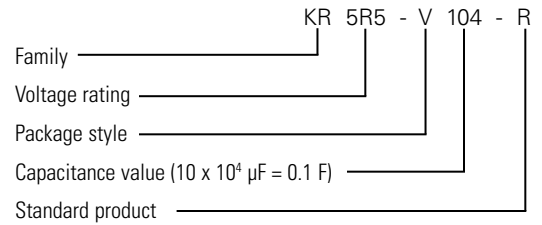
# EATON

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Specifications	Values
Working voltage	5.5 V
Surge voltage	6.3 V
Nominal capacitance range	0.1 F - 1.5 F
Maximum equivalent series resistance @ 1 kHz	75 $\Omega$ to 30 $\Omega$
Capacitance tolerance	-20% to +80% @ +20 °C
Operating temperature range	-25 °C to +70 °C (KR) -25 °C to +85 °C* (KW)

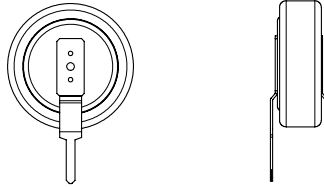
\* KR with voltage derating to 3.6 V @ +85 °C

## Part numbering system



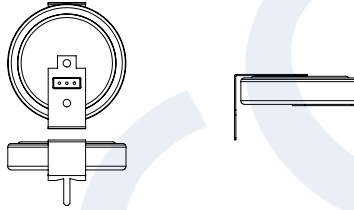
## V Type

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



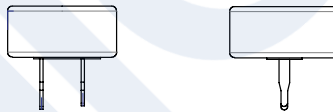
## H Type

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



## C Type

Product family	Capacitance (F)	Diameter (mm)	Height (mm)
KR	0.1 - 0.47	11.5	5.0
	0.1 - 1.5	19.0	5.0
KW	0.1 - 0.33	13.5	8.3
	0.68 - 1.01	21.5	8.85



## Tools & resources

- [KR Supercapacitors](#)
- [KW Supercapacitors](#)
- [Supercapacitor calculator](#)
- [Parametric search](#)
- [Cross reference search](#)
- [Inventory search](#)
- [Contact us](#)

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