

# Supercapacitors

## KS Series



### Surface Mount Device

#### Description

Cooper Bussmann ® PowerStor ® supercapacitors are unique, ultra-high capacitance devices utilizing electrochemical double layer capacitor (EDLC) construction combined with new, high performance materials. This combination of advanced technologies allows Cooper Bussmann to offer a wide variety of capacitor solutions tailored to specific applications that range from a few micro-amps for several days to several amps for milliseconds.



#### Features & Benefits

- Eco-friendly
- Long cycle life
- High-rated voltage
- Small-sized and large capacity

#### Applications

- RTC back-up (MP3, PMP, MD player) DSC Wireless & cellular phones
- Pagers & PDAs
- Solar watch, solar calculators

### Specifications

<b>Working Voltage</b>	2.8V	3.3V
<b>Surge Voltage</b>	2.8V	3.3V
<b>Nominal Capacitance Range</b>	0.33F	0.22F
<b>Capacitance Tolerance</b>	-20% to +80% (20°C)	-20% to +80% (20°C)
<b>Operating Temperature Range</b>	-25°C to 70°C	-10°C to 60°C

### Standard Products

Nominal Capacitance (F)	Part Number	Nominal ESR (Ω) (Equivalent Series Resistance) Measured @ 1kHz	Nominal Dimensions (mm)		Typical Mass (grams/1 piece)
			Diameter	Thickness	
0.33	KS-2R8334-R	100	6.8	2.1	0.25
0.22	KS-3R3224-R	200	6.8	2.1	0.25

### Performance

Parameter	Capacitance Change (% of initial measured value)	ESR (% of initial specified value)
Life (1000 hrs @ 70°C @ 3.3Vdc)	≤ 30	≤ 400
Storage - Low and High Temperature (1000 hrs @ -25°C and 70°C)	≤ 30	≤ 400

Dimensions (mm)		
Part Number	D	L
KS-2R8334-R	6.8	2.1
KS-3R3224-R	6.8	2.1



Part Numbering System									
<b>K</b>	<b>S</b>	-	<b>3</b>	<b>R</b>	<b>3</b>	<b>22</b>	<b>4</b>	-	<b>R</b>
Series Code	Version		Voltage (V) R is decimal			Capacitance (µF)			RoHS Compliant
K = Coin Cell	S = SMT		3R3 = 3.3V			Value	Multiplier		
							Example: 224 = 22 x 10 <sup>4</sup> µF or 0.22F		

### Packaging Information

Standard packaging: Bulk, 1000 units per pack with 100 units per tray

### Part Marking

Manufacturer  
Product Series & Size

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<http://moschip.ru/get-element>

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В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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