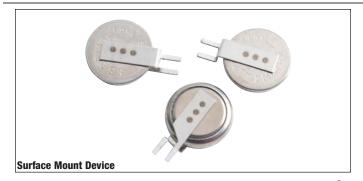


Supercapacitors KS Series



Description

RoHS 2002/95/EC 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

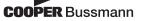
Applications

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

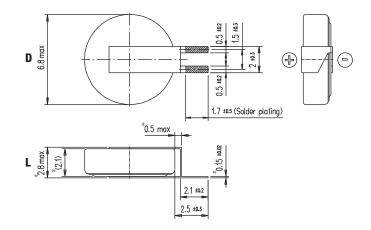
Specifications					
Working Voltage	2.8V	3.3V			
Surge Voltage	2.8V	3.3V			
Nominal Capacitance Range	0.33F	0.22F			
Capacitance Tolerance	-20% to +80% (20°C)	-20% to +80% (20°C)			
Operating Temperature Range	-25°C to 70°C	-10°C to 60°C			

Standard Products						
Nominal Capacitance	Part Number	Nominal ESR (Ω) (Equivalent Series Resistance)	Nominal Dim	Typical Mass (grams/1 piece)		
(F)		Measured @ 1kHz	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	ESR			
	(% of initial measured value)	(% of initial specified value)			
Life (1000 hrs @ 70°C @ 3.3Vdc)	<u>≤</u> 30	<u>≤</u> 400			
Storage - Low and High Temperature	<u>≤</u> 30	<u>≤</u> 400			
(1000 hrs @ -25°C and 70°C)					



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



	Part Numbering System									
К	S	-	3	R	3	22	4	-	R	
Series Code	Version			/oltage (V is decima		Capacitance (µF)			RoHS	
						Value	Multiplier		Compliant	
K = Coin Cell S = SMT	3R3 = 3.3V		/	Example: 224 = 22 x 10 ⁴ µF or 0.22F			pitait			

Packaging Information

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

Part Marking

Manufacturer **Product Series & Size**

Data Sheet 4303

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can be reasonably expected to result in significant injury to the user.