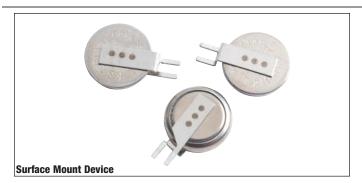


Supercapacitors KS Series



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

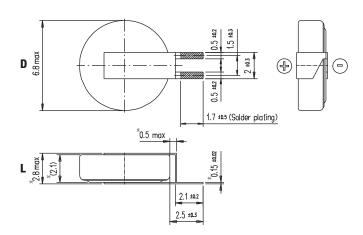
Specifications					
Working Voltage	2.8V	3.3V			
Surge Voltage	2.8V	3.3V			
Nominal Capacitance Range	0.33F	0.22F			
Capacitance Tolerance	-20% to +80% (20°C)	-20% to +80% (20°C)			
Operating Temperature Range	-25°C to 70°C	-10°C to 60°C			

Standard Products						
Nominal	Part	Nominal ESR (Ω)	Nominal Dim	Typical Mass (grams/1 piece)		
Capacitance	Number	(Equivalent Series Resistance)				
(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)	≤ 30	≤ 400			
Storage - Low and High Temperature	≤ 30	≤ 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										
K	S	-	3	R	3	22	4	_	R		
Series Code	Version			oltage (V is decim	•	Capacitance (μF)			RoHS		
			3R3 = 3.3V			Value	Multiplier		Compliant		
K = Coin Cell S = SMT		V			Example: 224 = 22 x 10 ⁴ 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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