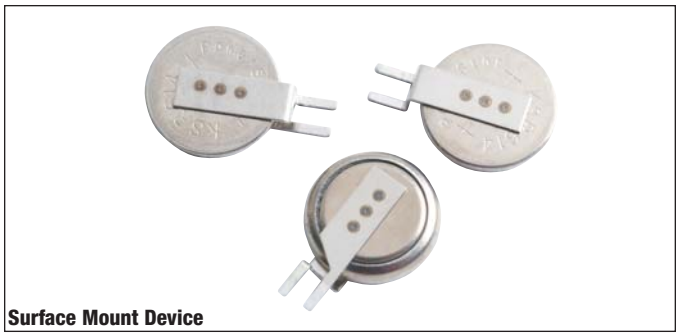
PowerStor®

Supercapacitors
KS Series



Surface Mount Device

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

Description

RoHS 2002/95/EC

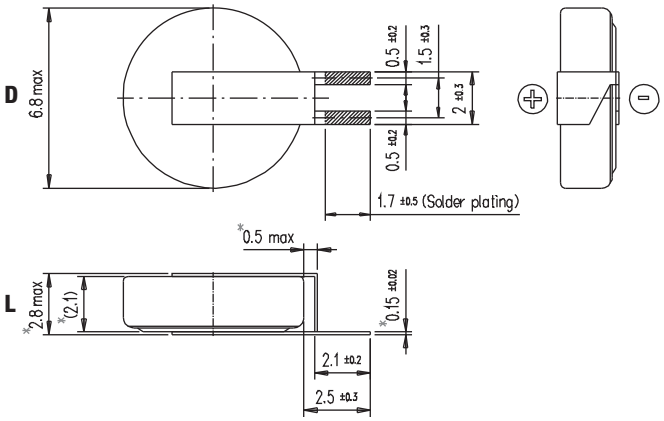
Cooper Bussmann® PowerStor® supercapacitors are unique, ultra-high capacitance devices utilizing electrochemical double layer capacitor (EDLC) construction combined with new, high performance materials. This combination of advanced technologies allows Cooper Bussmann to offer a wide variety of capacitor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

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 (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									
K	**S**	**–**	**3**	**R**	**3**	**22**	**4**	**–**	**R**
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 10^4µF 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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