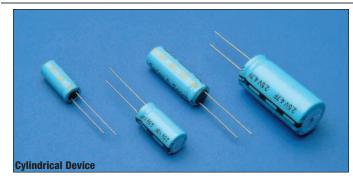
Supercapacitors A Series



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

- Very low ESR
- · Low leakage current
- Long cycle life
- · High useable capacity
- Very high specific capacitance also available (B Series)

Applications

- Pulse power
- Hold-up power
- DC/DC converters
- Hybrid battery packs
- Valve / solenoid actuation

Specifications				
2.5V				
3.0V				
0.47 to 4.7F				
-20% to +80% (20°C)				
-25°C to 70°C				

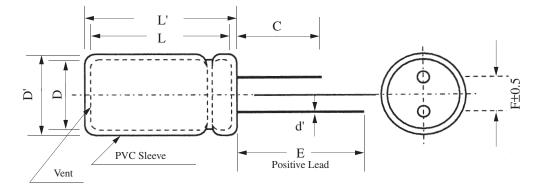
Standard Products							
Nominal	Part	Nominal ESR (Ω)	(Equivalent Series Resistance)		Typical Mass		
Capacitance	Number				(grams/1 piece)		
(F)		Measured @ 1kHz	Diameter	Length			
0.47	A0820-2R5474-R	0.150	8	20	1.8		
1.0	A1020-2R5105-R	0.090	10	20.5	2.6		
1.5	A1030-2R5155-R	0.060	10	30	3.8		
4.7	A1635-2R5475-R	0.025	16	35	10.7		

Performance					
Parameter	Capacitance Change	ESR			
	(% of initial measured value)	(% of initial specified value)			
Life (1000 hrs @ 70°C @ 2.5Vdc)	<u>≤</u> 30	<u>≤</u> 300			
Storage - Low and High Temperature	<u>≤</u> 30	<u>≤</u> 300			
(1000 hrs @ -25°C and 70°C)					

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查询"A1030-2R5155-R"供应商

Dimensions (mm)								
Part Number	D	D'	L	Ľ	F	ď	C	E
A0820-2R5474-R	8.0	8.5	20.5	21.0	3.5	0.50	20.0	25.0
A1020-2R5105-R	10.0	10.5	21.8	22.3	5.0	0.60	20.0	25.0
A1030-2R5155-R	10.0	10.5	31.0	31.5	5.0	0.60	20.0	25.0
A1635-2R5475-R	16.0	16.5	37.5	38.0	7.5	0.80	20.0	25.0
Tolerances	Maximum				± 0.5	± 0.02	Mini	mum



Part Numbering System								
Α			-	2	R	5		
Series Code	Dimensions (mm)			Voltage (V) R is decimal			Capacitance (µF)	
B = Very Low ESR	Diameter	Length		2R5 = 2.5V		V		Multiplier ample: ample: 5 or 4.7F

Packaging Information

Standard packaging: Bulk, 100 units per package.

Special packaging available upon request. Contact factory.

Cooper Bussmann P.O. Box 14460 St. Louis, MO 63178-4460

Tel: 1-636-394-2877

Fax: 1-636-527-1607

Part Marking

Manufacturer Capacitance (F) Max. Operating Voltage (V) Series Code (or part number) Polarity Marking

North America

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Bussmann[®]







Data Sheet 4302

PowerStor