



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

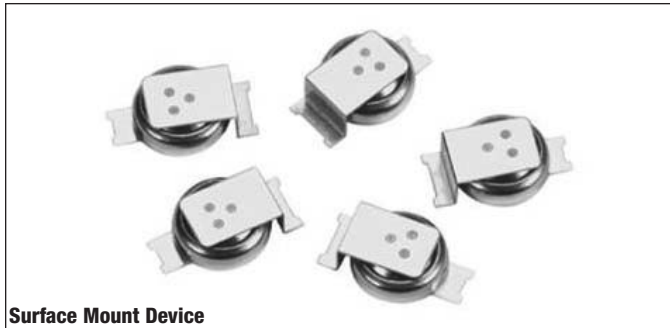
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Supercapacitors

KSL 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
- Compatible with lead free reflow solder (260°C peak)
- 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, etc.
- Solar watch, solar calculators

Specifications

Working Voltage	3.3V
Surge Voltage	3.3V
Nominal Capacitance Range	0.07F
Capacitance Tolerance	-20% to +80% (20°C)
Operating Temperature Range	-25°C to 60°C

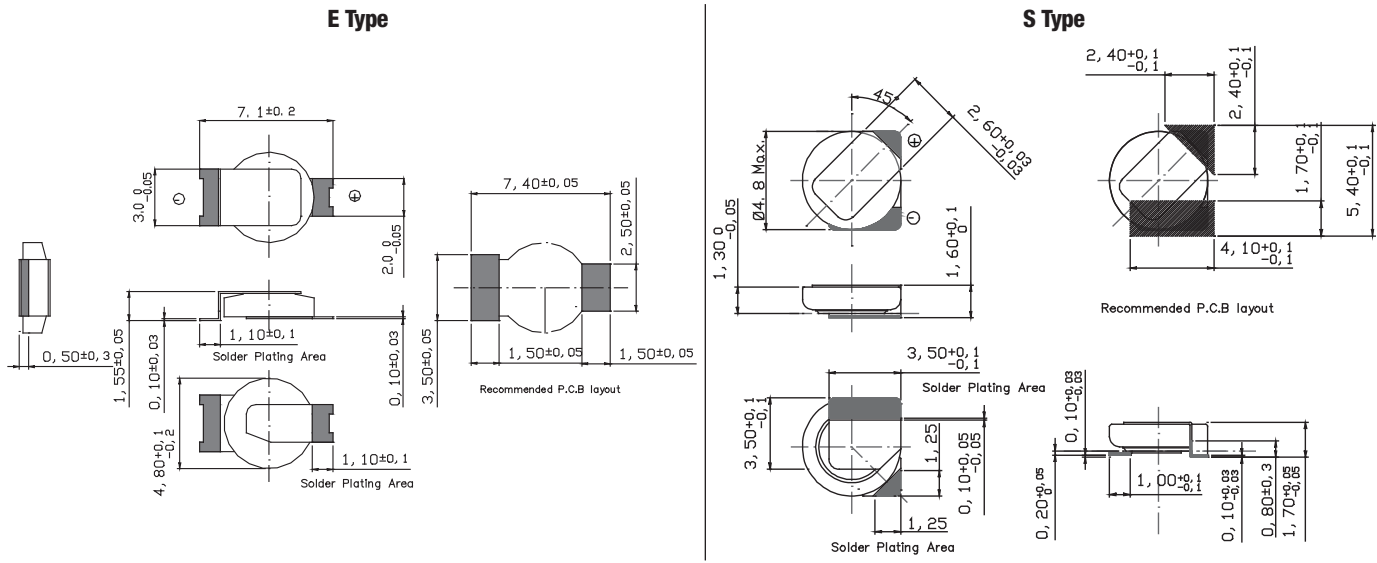
Standard Products

Nominal Capacitance (F)	Part Number	Nominal ESR (Ω) (Equivalent Series Resistance) Measured @ 1kHz	Nominal Dimensions (mm)		Typical Mass (grams/1 piece)
			Diameter	Thickness	
0.07	KSL-3R3703E-R	100	4.8	1.4	0.08
0.07	KSL-3R3703S-R	100	4.8	1.4	0.08

Performance

Parameter	Capacitance Change (% of initial measured value)	Maximum ESR (Ω) Measured @ 1kHz
Life (500 hrs @ 60°C @ 3.3Vdc)	≤ 30	2,000
Storage - Low and High Temperature (1000 hrs @ -25°C and 60°C)	≤ 30	2,000

Dimensions - mm



Part Numbering System

K	SL	-	3	R	3	70	3	-	R
Series Code	Version		Voltage (V) R is decimal		Capacitance (μ F)		Terminal Type		RoHS Compliant
K = Coin Cell	SL = SMT, Minature		3R3 = 3.3V		Value	Multiplier	E = Standard S = Small		
					Example: 703 = $70 \times 10^3 \mu$ F or 0.07F				

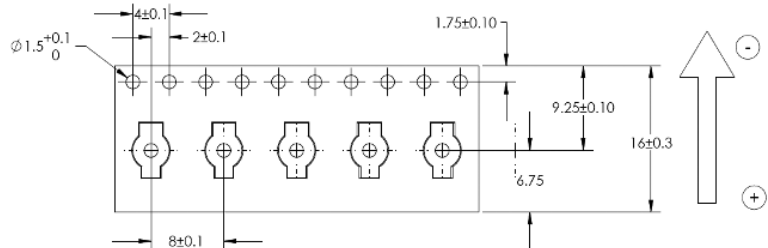
Packaging Information

Standard packaging: Tape & Reel, 4,000 units per reel

Part Marking

Manufacturer
Product Series & Size

Tape Dimensions (mm)



North America

Cooper Bussmann
1225 Broken Sound Parkway NW
Suite F
Boca Raton, FL 33487-3533
Tel: 1-561-998-4100
Fax: 1-561-241-6640
Toll Free: 1-888-414-2645

Cooper Bussmann
P.O. Box 14460
St. Louis, MO 63178-4460
Tel: 1-636-394-2877
Fax: 1-636-527-1607

Europe

Cooper Bussmann
Cooper (UK) Limited
Burton-on-the-Wolds
Leicestershire • LE12 5TH UK
Tel: +44 (0) 1509 882 737
Fax: +44 (0) 1509 882 786

Cooper Bussmann
Avda. Santa Eulalia, 290
08223
Terrassa, (Barcelona), Spain
Tel: +34 937 362 812
+34 937 362 813
Fax: +34 937 362 719

Asia Pacific

Cooper Bussmann
1 Jalan Kilang Timor
#06-01 Pacific Tech Centre
Singapore 159303
Tel: +65 278 6151
Fax: +65 270 4160

This bulletin is intended to present product design solutions and technical information that will help the end user with design applications. Cooper Bussmann reserves the right, without notice, to change design or construction of any products and to discontinue or limit distribution of any products. Cooper Bussmann also reserves the right to change or update, without notice, any technical information contained in this bulletin. Once a product has been selected, it should be tested by the user in all possible applications.

Life Support Policy: Cooper Bussmann does not authorize the use of any of its products for use in life support devices or systems without the express written approval of an officer of the Company. Life support systems are devices which support or sustain life, and whose failure to perform, when properly used in accordance with instructions for use provided in the labeling, can be reasonably expected to result in significant injury to the user.

© 2009 Cooper Bussmann
St. Louis, MO 63178
www.cooperbussmann.com

