



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



### Surface Mount Type

Series: EN

■ Feature

- 1.Re-flow soldering method available (240°C)
- 2.Miniaturized : Diaφ6.8 x height 1.8mm max.
- 3.Longer life and environmentally friendly

Country of Origin

Japan



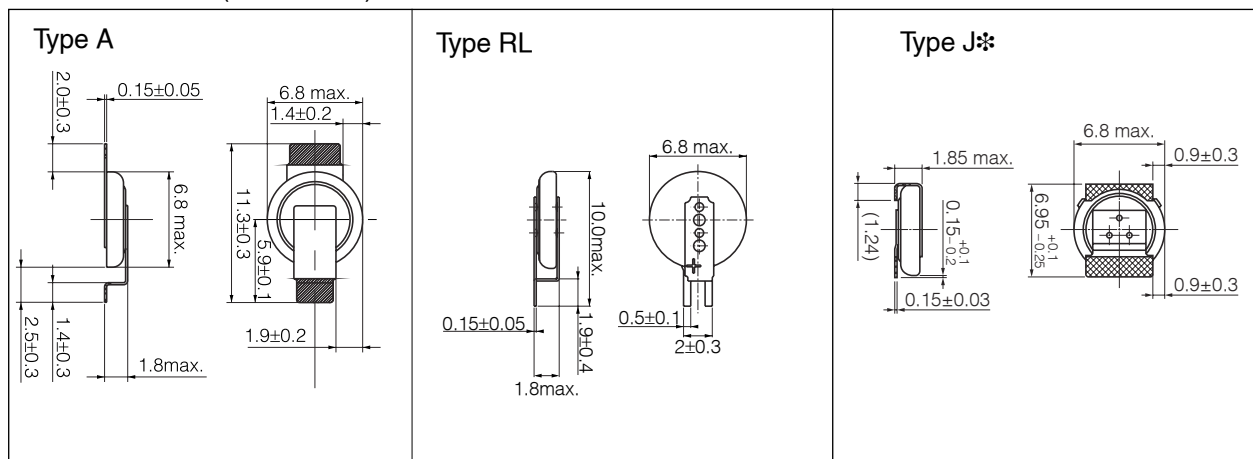
■ Recommended Applications

Memory cards(power supply to hold memory), mobile phones, PDAs, digital cameras.

■ Specifications

Category temp. range	-10 to +60°C	
Maximum Operating Voltage	3.3 V .DC	
Nominal Capacitance	0.2 F	
Maximum Operating Current	10 μA MAX	
Stability at low temperature and high temperature	Category temp. range(-10°C)	
	Capacitance change	±30% of initial measured value at +20°C
	Internal resistance	≤10 times of initial measured value at +20°C
	Category temp. range(+60°C)	
	Capacitance change	±30% of initial measured value at +20°C
	Internal resistance	≤ measured value at +20°C
Endurance	After 500 hours application of 3.3V. DC at +60°C, the capacitor shall meet the following limits.	
	Capacitance change	±30% of initial measured value
	Internal resistance	≤ 20 times of initial specified value
Shelf Life	After 500 hours storage at +60°C without load, the capacitor shall meet the specified limits for Endurance.	
High temperature High humidity	After 500 hours storage at +40°C, 90 to 95% R.H., the capacitor shall meet the following limits.	
	Capacitance change	±30% of initial measured value
	Internal resistance	≤ 1 k ohm or less

■ Dimensions in mm (not to scale)



■ Standard Products

Maximum Operating Voltage (V.DC)	Capacitance (F)	Capacitance range (F)	Internal resistance (Ω) at 1kHz	Mass (g)	Part number	Min. Packaging QTY
						Reel (pcs)
3.3	0.2	0.16 to 0.36	200	0.2 (Approx.)	EECEN0F204( )	2000

The re-flow condition / taping dimensions are explained on p.205 of our Catalog.

Please use it as a reference guide.

( ): Please use A,RL or J1 to indicate terminal type.

- Note: 1.When the capacitor is being used in a high temperature and high humidity environment for a long period, brown deposited materials might be found around the sealing area. However, the materials are insulators and will not affect any electrical characteristics of the capacitor.  
2.Do not use reflow soldering when cell voltage is above 0.3V.

Design, and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and / or use. Should a safety concern arise regarding this product, please be sure to contact us immediately. June. 2005