## Surface Mount Type

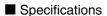
Series: **EN** 

### ■ Features

- Re-flow soldering method available (250 °C)
- Miniaturized: Longer life and environmentally friendly
- RoHS directive compliant

### ■ Recommended Applications

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

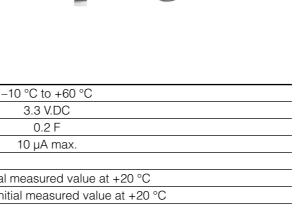


Shelf Life

Category Temp. Range

Maximum Operating Voltage

Nominal Capacitance



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 3.3 V. DC at +60 °C, the capacitor shall meet the following limits.				
	Capacitance change	±30 % of initial measured value			
	Internal resistance	$4 \text{ k}\Omega$ or less			
	After 500 hours storage at +60°C without load, the capacitor shall meet the following limits.				

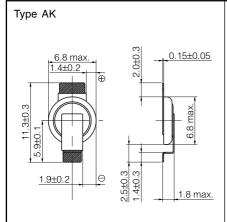
# Internal resistance 1 k ohm or less After 500 hours storage at ±40 °C 90 to 95 % R H , the capacitor shall

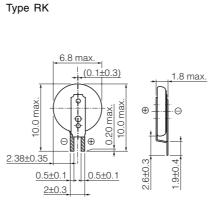
High temperature High humidity

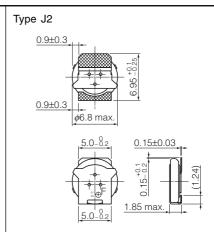
After 500 hours storage at +40 °C, 90 to 95 % R.H., the capacitor shall meet the specified limits for shelf life.

Capacitance change ±30 % of initial measured value

### ■ Dimensions in mm(not to scale)







#### Standard Products

Maximum Operating Voltage	Capacitance	Capacitance range	Internal resistance	Mass	Part number	Min. Packaging Q'ty
(V.DČ)	(F)	(F)	(Ω) at 1kHz	(g)		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.197, 198 of our Catalog. Please use it as a reference guide.

( ): Please use AK, RK or J2 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 0.3 V.

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Largest Supplier of Electrical and Electronic Components

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