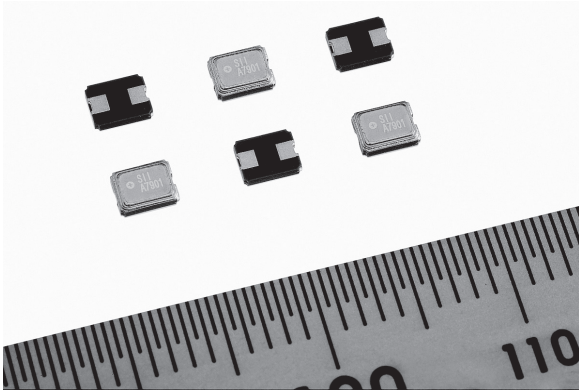


CPH3225A



CPH3225A is thinnest and smallest chip-type electric double layer capacitor.

The unique ceramic packaging with superior air-tightness is used. As the result, it offers leakage resistance and humidity resistance. Also, by optimizing its materials, a 1 minute rapid charge stores approximately 85% of full capacity.

Its heat-resistant design allows for Pb-free reflowable SMT board attachment.

FEATURES

- Small and thin size
- Excellent leakage resistance and humidity resistance
- Pb-free reflowable:
 - Superior heat resistance (260°C peak) allows reflow soldering by Pb-free solder
- Long cycle Life:
 - At least 10,000 times of charge/discharge
- Simple Charging circuit (constant voltage charging)
- Wide operating temperature range:
 - Operating temperature range: -20°C to +60°C
 - For use the battery at a temperature out of the above temperature range, please consult us.
- RoHS Compliant

APPLICATIONS

Backup Power for various devices.

Super small size power supply.

Smartphone, Tablet, Cellphone, Personal computer, IC card, Game machine, Handy terminal, Video camera, various kinds of small appliance, etc.

SPECIFICATIONS

Type	Maximum Use Voltage (V)	Nominal Capacity (Voltage Range) Capacitance	Internal Impedance* <Nominal> (Ω)	Size(L × W × H) (mm)	Weight (g)
CPH3225A	3.3	4.6μAh (3.3V-1.8V) 0.011F	160	3.2 × 2.5 × 0.9	0.025

*. Value measured using AC (Alternating Current) method at the discharged state.

<APPLICATION NOTES>

• Prohibition ripple charging

A ripple (high frequency fluctuation of voltage) in the charge voltage extremely lowers the capacitor performance. Be sure to charge capacitors with a stable voltage.

• Charge voltage

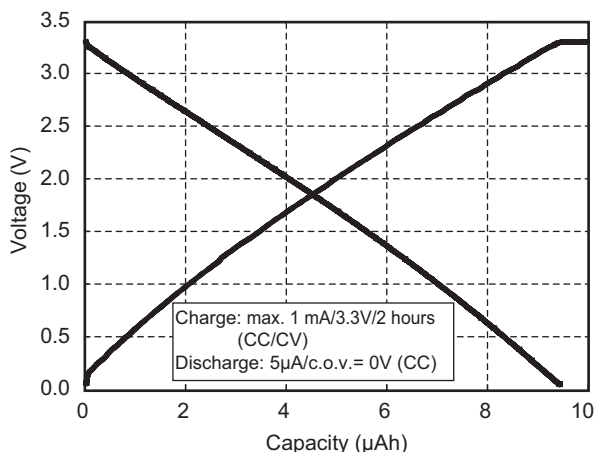
The age deterioration of the capacitor depends on the charge voltage. The age deterioration is accelerated as charge voltage goes higher.

• Usage environment

Aging degradation of the capacitor varies depending on the usage environment (temperature and humidity). Contact us for further details.

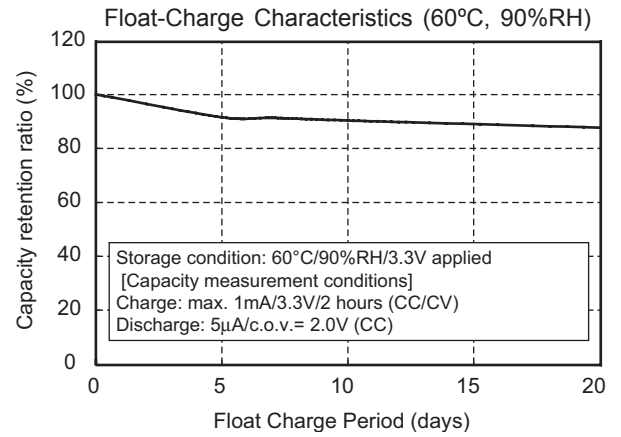
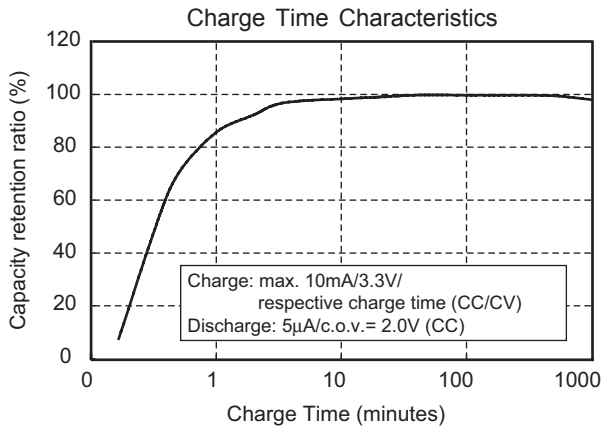
CHARACTERISTICS

Charge/discharge characteristics

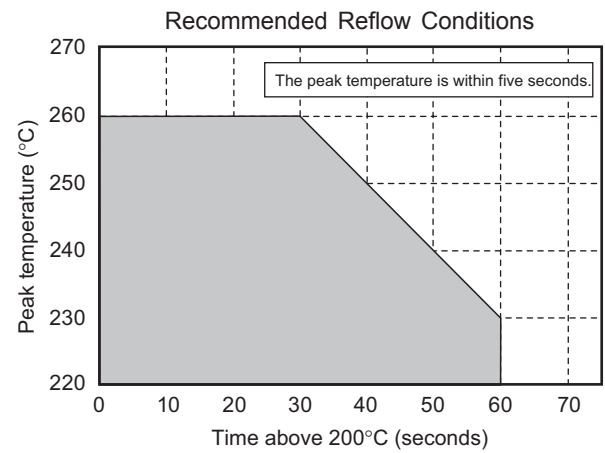
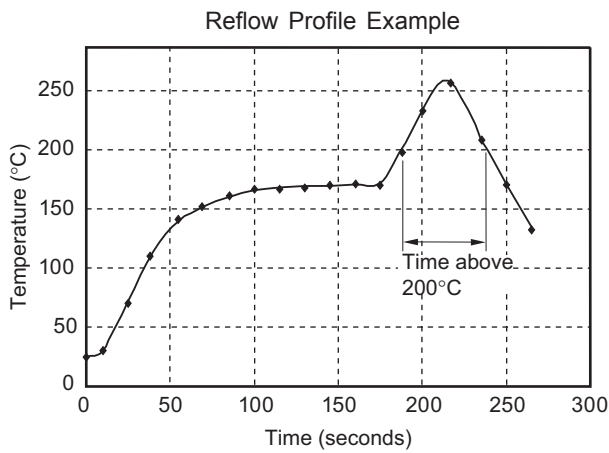


* c.o.v. : Cut off Voltage

CHARACTERISTICS

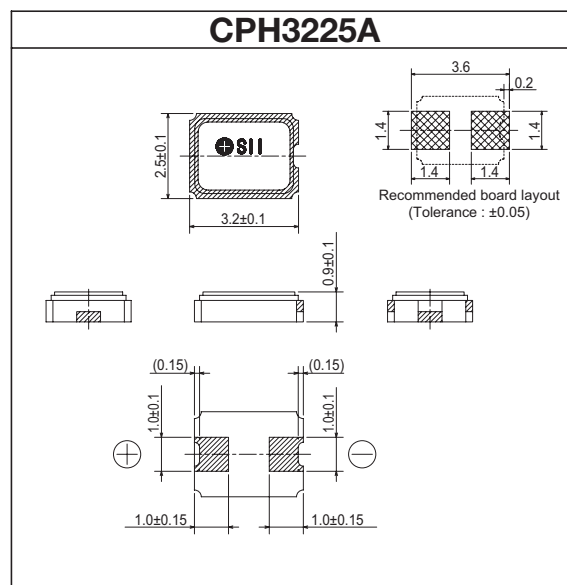


REFLOW SOLDERING CONDITIONS



The times of repeated reflow soldering must be two times or less.
The Temperature must be measured at top of the cell.

DIMENSIONS



- Units: mm