

⚠Caution · Notice

Notice (Handling)

1. Operating voltage range

This product should be used within specified operating voltage range. If it is used with voltage out of the range, deformation or leakage may occur. Please do not short circuit the positive and negative terminals. It may cause product deformation or leakage.

2. Polarity

This product has a polarity. Please do not reverse the polarity when in use. Reverse polarity may damage electrolyte or the electrode inside. Please verify the orientation of the device before use in accordance with the markings of polarity on the product.

3. Markings

The markings on the device may be erased by rubbing, contact of organic solvent (such as IPA) or removing double sided tape from the capacitor marking area. Please do not rub the marking area. Also, please be careful not to erase markings on the device when using organic solvent or double sided tape.

4. Self heating temperature

When repeating charge and discharge in a short cycle, self heating is generated by internal resistance. The product temperature should not exceed 70°C, including any self heating.

5. This product cannot be used under any acidic or alkaline environment.

6. At extremely low pressure, this product may not be able to provide expected performance. If you would like to use this product at low pressure environment continuously, please consult us first.

7. Charge voltage

This product should be charged between 2.45V and charge voltage (2.7V) for capacity \geq 80%.

Notice (Soldering and Mounting)

1. Reflow and flow soldering cannot be used because product body temperature will rise beyond maximum allowable temperature. Please use other mounting methods. These may include hand soldering, etc.

3. Manual soldering

The following conditions are recommended;

Solder Type: Resin flux cored solder wire (ϕ 1.2mm)

Solder: Lead-free solder: Sn-3Ag-0.5Cu

Soldering iron temperature: 350 °C \pm 10 °C

Solder iron wattage: 70W max.

Soldering time: 4 sec. per one terminal

Allowable soldering frequencies:

3 times maximum per one terminal

Allowable cumulative soldering time per device:

15 sec. max. total.

(1) Please do not touch product body directly by solder iron.

(2) If terminals are vended after soldering, the product may break if excessive force is applied to the edge of terminals. Therefore please vend terminals before soldering without applying excessive force to the edge of terminals.

3. Please do not apply excessive force to the product during insertion as well as after soldering. The excessive force may result in damage to electrode terminals and/or degradation of electrical performance.

4. Please do not wash the device after soldering.

⚠Caution · Notice

Notice (Transportation and Recycling)

This device is a lithium ion battery. Please kindly check the following points for air transportation or recycling

1. Air transportation

Murata's lithium ion battery is proven to meet the requirements of each test in the UN Manual of tests and Criteria, Part III, sub-section 38.3. Therefore, in the case of air transportation, the packing standard of the Section II of PI965 (Packing Instruction 965) IATA dangerous materials rule (IATA-DGR) is applied. Please consult with us when air transportation is needed. Return of damaged or defective products

2. Air transportation of damaged or defective lithium ion battery is strictly prohibited by the IATA Dangerous Goods Regulations. Please consult with us in advance when returning the product.

3. Recycling

(Japan)

Lithium-ion batteries can be recycled. Please bring redundant batteries to a partner company to support the recycling of rechargeable batteries.

We are affiliated with JBRC (Japan Portable Rechargeable

Battery Recycle Center) and conduct recycling activities. We would be grateful for your cooperation in the recycling of redundant rechargeable battery. Please visit JBRC website to confirm a partner company to support recycling rechargeable batteries.
<https://www.jbrc.com/>



Recycle Mark

(Outside Japan)

Lithium-ion batteries can be recycled. Regulations and laws related to the recycling of lithium ion batteries vary from country to country as well as by state and local governments. Please check the laws and regulations of the products' final use areas.