



Precautions for use of multilayer dielectric filters

1. Storage environment

(1) Do not store the product in direct sunlight, in a place where there is a possibility of water leakage, in a place where toxic gases such as corrosive gases are generated, or in a dusty place.

Do not store the product in a dusty place.

(2) Store the product at room temperature within the range specified in the specifications and without sudden changes in temperature and humidity.

(3) After 6 months or more of normal storage, check the solderability before use.

2. Usage environment

(1) Use the product within the operating temperature range specified in the specifications and under conditions where there are no sudden changes in temperature.

(2) Do not apply a voltage or current exceeding the specified input levels. If applied exceeding the specified level, it may cause a malfunction or ignition.

3. Transportation and handling

(1) When transporting, minimize mechanical vibration and shock, and do not use the product if it has been dropped.

4. Product mounting method

(1) Surface mount type

Solder in accordance with the conditions described in the specifications.

(2) Pin insertion type

When soldering the pins by hand, the soldering tip temperature should be $320^{\circ}\text{C} \pm 10^{\circ}\text{C}$ for 3 seconds or less.

(3) Connector type

Make sure that the connector is compatible with the product and that it is securely attached.

(4) Do not remove soldered items and reuse them.

(5) Do not install the product in a location adjacent to a heating element.

5. Cleaning methods for products

(1) If cleaning is necessary, use an alcohol-based solvent such as IPA (isopropyl alcohol) within 60 seconds.

(2) Do not immerse the product in the solvent. If the product is immersed, leave it until the solvent is evaporated.

(3) Please do not have the ultrasonic cleaning.

6. Cautions for maintenance and inspection

(1) If any abnormal noise or heat generation is observed, stop using the product and consult us immediately.

7. Applications

(1) If this product is to be used in an application that requires extremely high reliability, please consult with us in advance: in-vehicle equipment (automobiles, vehicles), ships, aerospace equipment, medical equipment, etc.

(2) This product is not intended to be used in any environment other than normal, such as strong electric or magnetic fields. If you intend to use this product in such an environment, please consult us in advance.

8. Disposal

(1) For the disposal of products and packaging materials, there are laws and ordinances that stipulate the proper disposal by the discharging company itself, so please comply with those laws.