

# Product Information

## PRECAUTIONS TO BE TAKEN

To prevent the product from breaking down or the features from degrading during use and to maintain satisfactory performance, please follow the instructions below when using the product.

### Storage environment

1. Store within the storage temperature and humidity (within 30 to 75%) specified in the instruction manual.
2. Store in an environment without sharp changes in temperature and humidity.
3. Avoid storing in a location in direct sunlight and where vibrations will be applied.
4. Avoid storing in locations with dust, corrosive gases, or magnetism.
5. Do not pile up the units when storing them.

### Storage period

1. Use within 6 months after delivery.  
After this time has elapsed, only use after confirming the solderability of the terminals.

### Transport (In packing box)

1. Do not apply excessive external forces.
2. Only stack so far as the boxes do not deform.
3. If a box is dropped, only use the product after confirming that it has not suffered degradation and is not broken.

### Product handling

1. The end of the product terminal could be degraded by the soldering. Be careful not to get injured.
2. Do not let the product bump against each other.
  - I) Remove the products one at a time from the packing box (or magazine).
  - II) Do not pile up the products.
  - III) When conducting hand insertion work, do not hold multiple products at one time.
3. If a product falls from a work bench, dispose of it.
4. Do not touch the product terminals with your hand (or tools).

### Installation

1. Install so as not to apply stress to the product.
2. When using adhesive on the product, use an adhesive that does not cause the product to erode.
3. Except SMD type and M7-C type are flow solder products. For flow solder products, do not heat the main unit above 150°C.
4. Do not let the solder flux get onto or into the product.
5. Do not bend or break the product terminals.
6. When mounting the product using resin, etc., use a substance that does not corrode the product and

use a resin that does not apply stress to the product when hardening.

7. Avoid excessive stress from before and after mounting on your circuit boards.

#### Adjustment

- A) For adjustable specification products  
Do not adjust more than two complete turns.  
(For the rotational torque during insertion, do not rotate forwards or backwards more than one or two turns from the upper limit to the lower limit.)
- B) For preset specification products  
Do not adjust or increase the pressure to the adjustment groove.

#### Cleaning

1. The product's label stamp (or markings) might disappear.
2. For products with internal impregnation processing, the impregnate could dissolve and the humidity resistance characteristic degrade.
3. Do not use acidic or alkali cleaners.
4. When using water-based cleaners, do not get moisture inside the product and completely dry the product when finished.  
(If moisture remains the reliability of the product could be affected.)
5. Do not use ultrasound cleaners.  
(An open circuit could occur in the product.)

#### Soldering using a soldering iron

1. When correcting the soldering after mounting, use a soldering iron with a tip temperature of 280°C or less.
2. When correcting the soldering after mounting, only heat each soldered area for a maximum of 5 seconds.
3. When correcting the soldering after mounting, do not apply direct pressure to the product terminals.

#### Usage environment

1. Use the product within the storage temperature and humidity (30 to 75%) range prescribed by the instruction manual.

#### Applications

1. This product has been designed for general electronic devices (AV equipment, general household electronics, office equipment, information and telecommunications equipment, etc.).
  2. When using in medical equipment, astronomical equipment, or nuclear power related equipment, etc., which require a high level of safety and reliability, first sufficiently evaluate and study the appropriateness of the products before deciding to use them.  
(If necessary, protective circuits, etc., can be added.)
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## WHEN ORDERING

First and as a general rule samples will be manufactured in conformity to clients' specification requirements. After mutual confirmation of the conformity, the orders will be received.

### ■ COIL SPECIFICATIONS

1. Our model names or allowable maximal outside dimensions ;
2. Frequencies used ;
3. Center frequency or center inductance values ;
4. Tuning capacity and built-in capacity ;
5. Connection diagrams (please refer to the back connection diagrams.) ;and
6. Others.

### ■ BACKGROUND

1. Person or persons in charge
2. Use period and quantity in case of mass production ; and
3. Places of use in case of mass production (name of country)

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## NOTICE

1. The numerical values given in the catalogs are for referential purpose only. Clients will be asked to propose their desired specification values, based upon which our samples will be manufactured and submitted.
  2. Your orders will be received after your confirming the electrical specifications and the like with samples.
  3. Our products may be subject to any partial modifications, etc. of their outlines, numerical values for improvements without any notice.
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