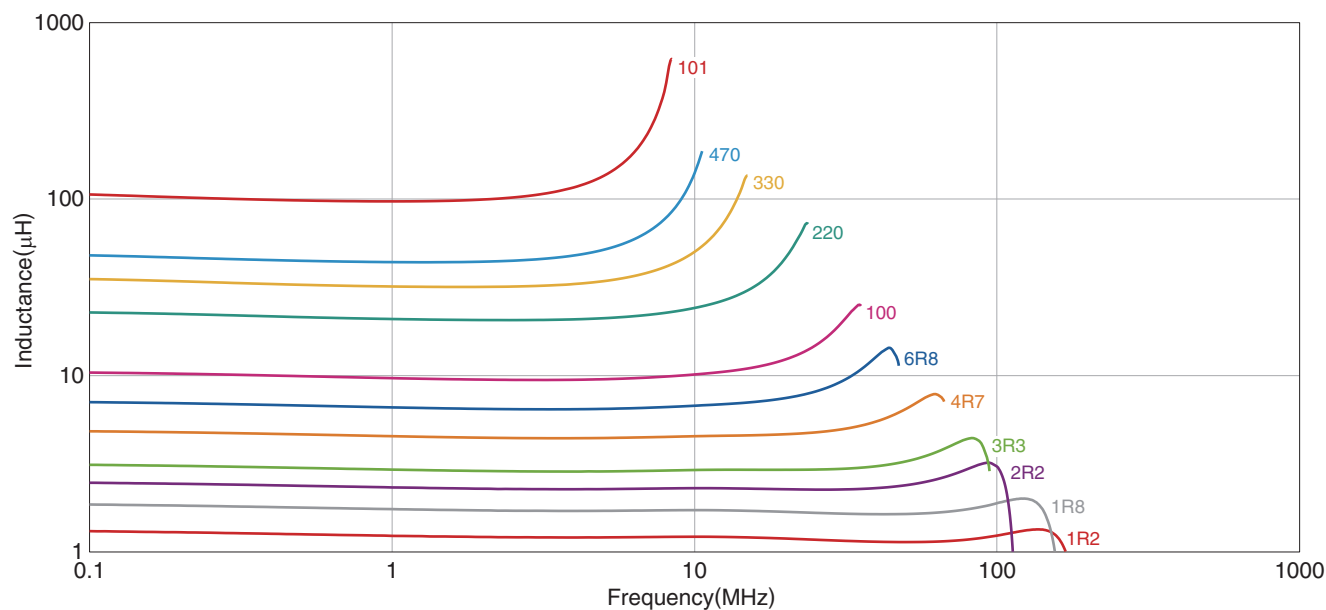


LTF5022-D type

L FREQUENCY CHARACTERISTICS

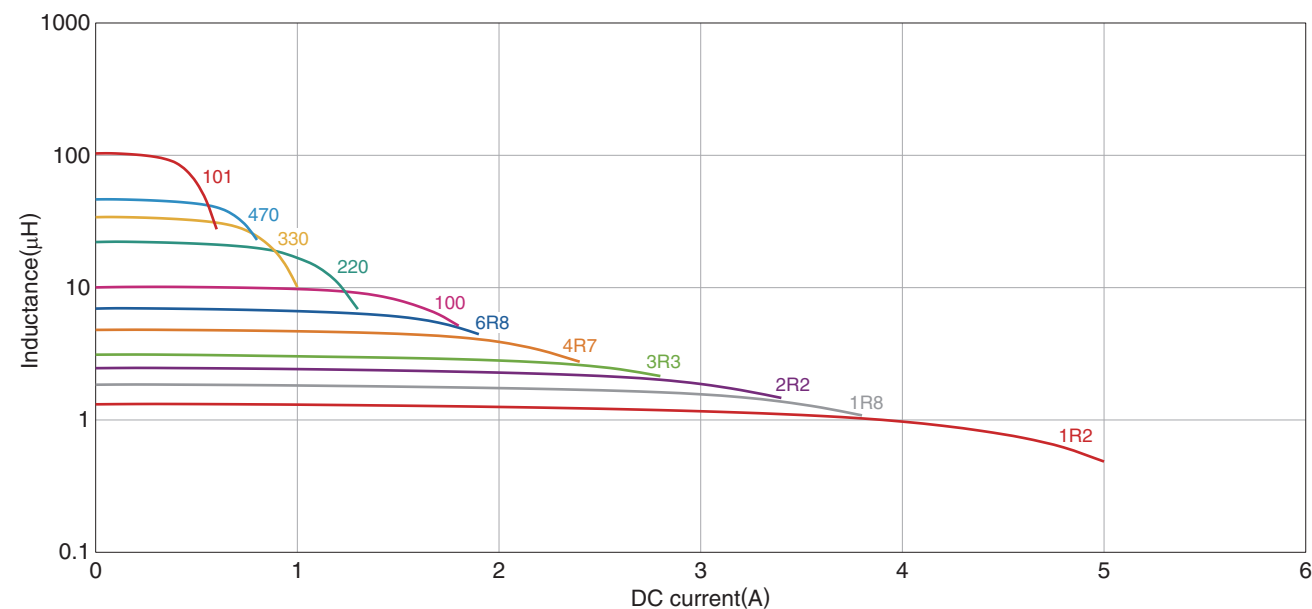


Measurement equipment

Product No.	Manufacturer
4294A	Keysight Technologies

* Equivalent measurement equipment may be used.

INDUCTANCE VS. DC BIAS CHARACTERISTICS



Measurement equipment

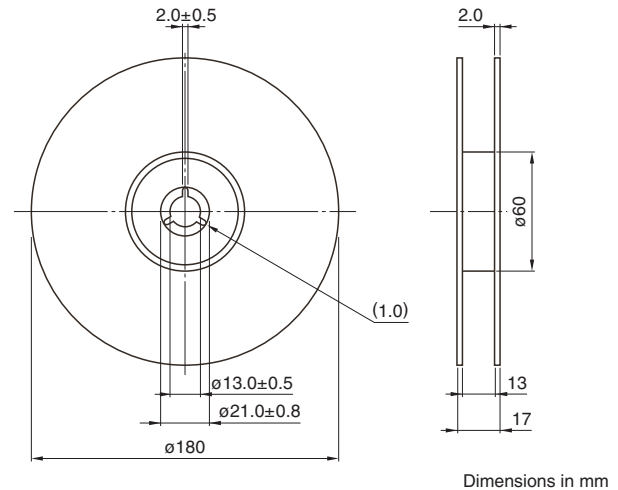
Product No.	Manufacturer
4285A+42841A+42842C	Keysight Technologies

* Equivalent measurement equipment may be used.

■ SHAPE & DIMENSIONS

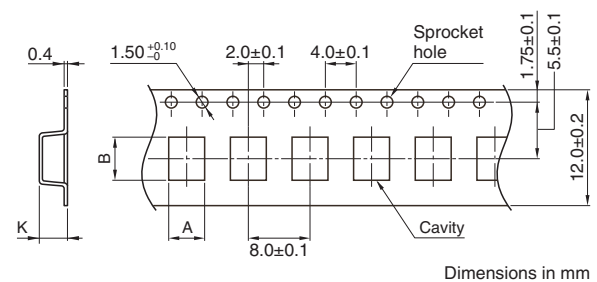


□ REEL DIMENSIONS



Dimensions in mm

□ TAPE DIMENSIONS



The graph illustrates the temperature profile of a soldering process. The y-axis represents Temperature and the x-axis represents Time. The process is divided into three main stages:

- Preheating:** The temperature rises from 150°C to 180°C. This stage is shaded light blue and lasts for 60 to 120 seconds.
- Soldering:** The temperature rises from 180°C to a peak of 245°C. This stage is shaded light blue and lasts for 10 to 30 seconds.
- Natural cooling:** The temperature decreases from the peak of 245°C to 230°C. This stage is shaded light blue.

Key temperature points and durations are marked on the graph:

- 150°C: Start of the preheating stage.
- 180°C: End of the preheating stage.
- 230°C: Temperature at the end of the soldering stage and the start of the natural cooling stage.
- 245°C: Peak temperature during the soldering stage.
- 5s: Duration of the peak temperature (245°C).
- 60 to 120s: Duration of the preheating stage.
- 10 to 30s: Duration of the soldering stage.

☐ **PACKAGE QUANTITY**

■ TEMPERATURE RANGE, INDIVIDUAL WEIGHT

** The storage temperature range is for after the assembly.

REMINDERS FOR USING THESE PRODUCTS

Before using these products, be sure to request the delivery specifications.

SAFETY REMINDERS

Please pay sufficient attention to the warnings for safe designing when using this products.

REMINDERS

- The storage period is within 6 months. Be sure to follow the storage conditions (temperature: 5 to 30°C, humidity: 10 to 75% RH or less).
If the storage period elapses, the soldering of the terminal electrodes may deteriorate.
- Soldering corrections after mounting should be within the range of the conditions determined in the specifications.
If overheated, a short circuit, performance deterioration, or lifespan shortening may occur.
- Do not use products that have received any excessive mechanical shock such as by being dropped.
- When embedding a printed circuit board where a chip is mounted to a set, be sure that residual stress is not given to the chip due to the overall distortion of the printed circuit board and partial distortion such as at screw tightening portions.
- Self heating (temperature increase) occurs when the power is turned ON, so the tolerance should be sufficient for the set thermal design.
- Do not expose the products to magnets or magnetic fields.
- The performance of the product may deteriorate if coating materials are used, thus please assess the situation beforehand by taking this factor into consideration.
- Do not use for a purpose outside of the contents regulated in the delivery specifications.
- The products listed on this catalog are intended for use in general electronic equipment (AV equipment, telecommunications equipment, home appliances, amusement equipment, computer equipment, personal equipment, office equipment, measurement equipment, industrial robots) under a normal operation and use condition.
The products are not designed or warranted to meet the requirements of the applications listed below, whose performance and/or quality require a more stringent level of safety or reliability, or whose failure, malfunction or trouble could cause serious damage to society, person or property.
If you intend to use the products in the applications listed below or if you have special requirements exceeding the range or conditions set forth in the each catalog, please contact us.

- (1) Aerospace/aviation equipment
- (2) Transportation equipment (electric trains, ships, etc.)
- (3) Medical equipment
- (4) Power-generation control equipment
- (5) Atomic energy-related equipment
- (6) Seabed equipment
- (7) Transportation control equipment

- (8) Public information-processing equipment
- (9) Military equipment
- (10) Electric heating apparatus, burning equipment
- (11) Disaster prevention/crime prevention equipment
- (12) Safety equipment
- (13) Other applications that are not considered general-purpose applications

When designing your equipment even for general-purpose applications, you are kindly requested to take into consideration securing protection circuit/device or providing backup circuits in your equipment.