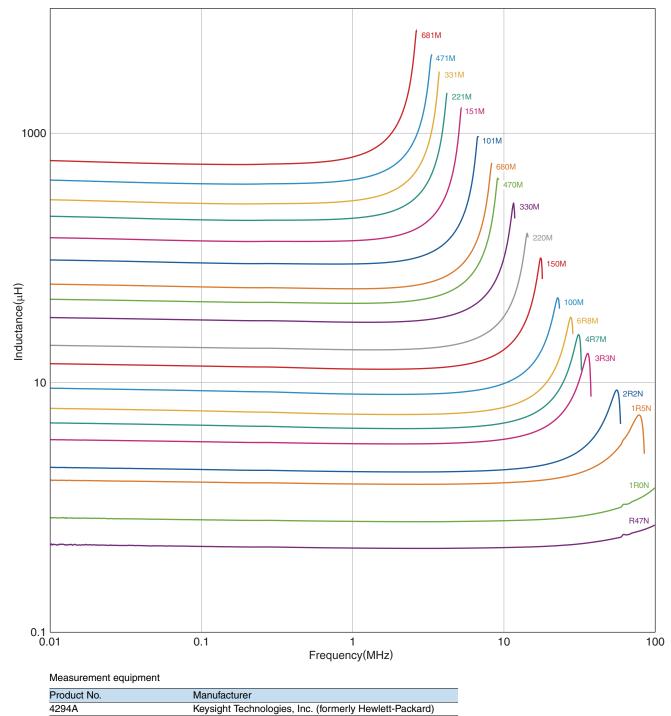
# VLS6045EX type

## L FREQUENCY CHARACTERISTICS

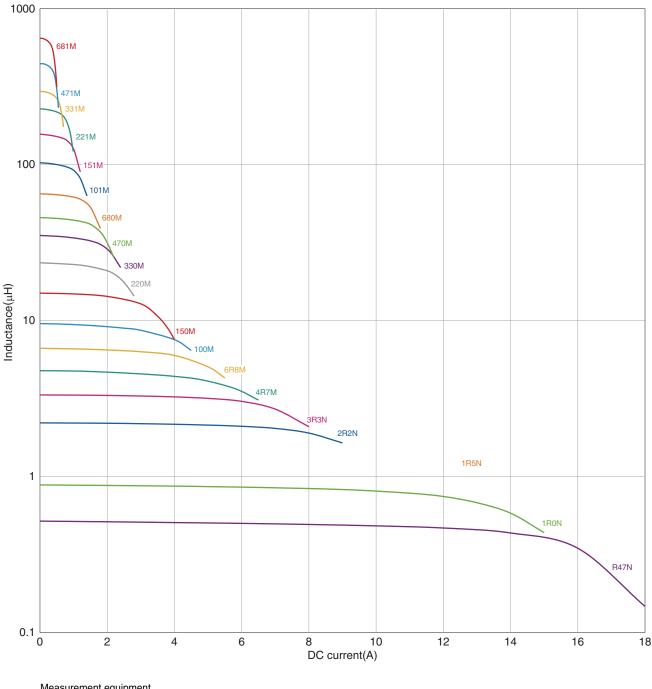


\* Equivalent measurement equipment may be used.

Please be sure to request delivery specifications that provide further details on the features and specifications of the products for proper and safe use.
 Please note that the contents may change without any prior notice due to reasons such as upgrading.
 20200805

# VLS6045EX type

### ■INDUCTANCE VS. DC BIAS CHARACTERISTICS



Measurement equipment

Product No.	Manufacturer
4284A+42841A+42842A	Keysight Technologies, Inc. (formerly Hewlett-Packard)

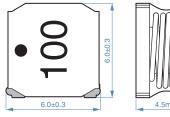
\* Equivalent measurement equipment may be used.

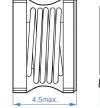
A Please be sure to request delivery specifications that provide further details on the features and specifications of the products for proper and safe use. Please note that the contents may change without any prior notice due to reasons such as upgrading. (3/5)

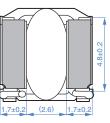
20200805

# VLS6045EX type

#### SHAPE & DIMENSIONS

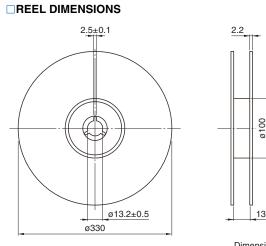






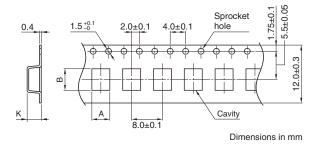
Dimensions in mm

## PACKAGING STYLE



Dimensions in mm

#### **TAPE DIMENSIONS**



Туре	А	В	К
VLS6045EX	6.3	6.3	4.7

#### **PACKAGE QUANTITY**

Package quantity 1500 pcs/reel

### **TEMPERATURE RANGE, INDIVIDUAL WEIGHT**

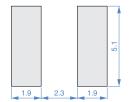
Operating	Storage	Individual
temperature range*	temperature range**	weight
–40 to 105 °C	–40 to 105 °C	0.6 g

\* Operating temperature range includes self-temperature rise.

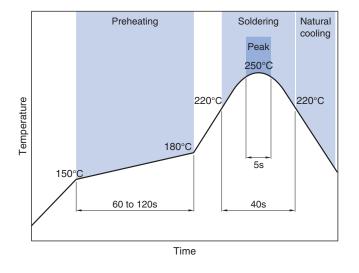
\*\* The storage temperature range is for after the assembly.

#### RECOMMENDED LAND PATTERN

RECOMMENDED REFLOW PROFILE



Dimensions in mm



Please be sure to request delivery specifications that provide further details on the features and specifications of the products for proper and safe use.
 (4/5)
 Please note that the contents may change without any prior notice due to reasons such as upgrading.
 20200805

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## **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.

<ul> <li>The storage period is less than 6 months. Be sure to follow the storage conditions (temperature: 5 to 30°C, humidity: 0 to 75% RH less).</li> <li>If the storage period elapses, the soldering of the terminal electrodes may deteriorate.</li> </ul>					
Do not use or store in locations where there are conditions such as gas corrosion (salt, acid, alkali, etc.).					
<ul> <li>Before soldering, be sure to preheat components.</li> <li>The preheating temperature should be set so that the temperature does not exceed 150°C.</li> </ul>	difference between the solder temperature and chip temperature				
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.					
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.					
<ul> <li>Carefully lay out the coil for the circuit board design of the non-magr A malfunction may occur due to magnetic interference.</li> </ul>	netic shield type.				
$\bigcirc$ Use a wrist band to discharge static electricity in your body through	the grounding wire.				
$\bigcirc$ Do not expose the products to magnets or magnetic fields.					
$\bigcirc$ Do not use for a purpose outside of the contents regulated in the de	livery specifications.				
<ul> <li>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.</li> <li>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.</li> <li>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.</li> </ul>					
<ol> <li>Aerospace/aviation equipment</li> <li>Transportation equipment (cars, electric trains, ships, etc.)</li> <li>Medical equipment</li> <li>Power-generation control equipment</li> <li>Atomic energy-related equipment</li> <li>Seabed equipment</li> <li>Transportation control equipment</li> </ol>	<ul> <li>(8) Public information-processing equipment</li> <li>(9) Military equipment</li> <li>(10) Electric heating apparatus, burning equipment</li> <li>(11) Disaster prevention/crime prevention equipment</li> <li>(12) Safety equipment</li> <li>(13) Other applications that are not considered general-purpose applications</li> </ul>				
When designing your equipment even for general-purpose applications tection circuit/device or providing backup circuits in your equipment.	s, you are kindly requested to take into consideration securing pro-				

A Please be sure to request delivery specifications that provide further details on the features and specifications of the products for proper and safe use. Please note that the contents may change without any prior notice due to reasons such as upgrading. (5/5)