



## 零件承认书

SPECIFICATION FOR APPROVAL

客户名称：0001

规格描述：ZECD功率电感系列规格书

日期：2024/08/10

增益签核：

| 制订 | 审核 | 核准 |
|----|----|----|
| 夏琳 | 陈雨 | 李万 |

客户签核：

| 工程 | 审核 | 核准 |
|----|----|----|
|    |    |    |



东莞市增益实业有限公司

地址：东莞市塘厦镇林村塘厦大道北552号

电话：0769-87321000

传真：0769-87891229

物料类型：

功率电感

日期：

2024/08/10

版本：

A

图 面 规 格 变 更 履 历 表

| 客户   |      |      | 料号         |    | 品名 |    |
|------|------|------|------------|----|----|----|
| 客户版本 | 增益版本 | 变更内容 | 日期         | 制定 | 审核 | 核准 |
|      | A    | 新版   | 2024/08/10 | 夏琳 | 李万 | 李万 |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |
|      |      |      |            |    |    |    |



## ZECD Power Inductors 功率电感系列



### ■ Features

- 1.Excellent solderability and high heat resistance.
- 2.Excellent terminal strength construction.
- 3.Packed in embossed carrier tape and can be used by automatic mounting machine.

### ● 特征

- 1.絕佳的焊錫性及高溫耐熱性。
- 2.絕佳的端面強度結構。
- 3.捲軸包裝，可用於自動插件機器。

### ■ Applications

Power supply for VCR,OA equipment ,LCD television set, notebook, DC to DC converters, DC to AC inverters etc.

### ● 用途

VCR、辦公室自動設備、液晶電視機、筆記型電腦、直流-直流整流器、直流-交流換流器等的電源供應器。

### ■ Lead Free Part Numbering



A.Series

B.Dimension A x C

C.Inductance 1R0=1.0uH,100=10uH,101=100uH

D.Inductance Tolerance K=±10%,M=±20%

### ■ Dimensions



| Series  | A        | B       | C       | D ref |
|---------|----------|---------|---------|-------|
| ZECD31  | 3.5±0.3  | 3.0±0.3 | 1.6±0.3 | 1.0   |
| ZECD32  | 3.5±0.3  | 3.0±0.3 | 2.1±0.3 | 1.0   |
| ZECD42  | 4.5±0.3  | 4.0±0.3 | 2.0±0.3 | 1.4   |
| ZECD43  | 4.5±0.3  | 4.0±0.3 | 3.2±0.3 | 1.4   |
| ZECD52  | 5.8±0.3  | 5.2±0.3 | 2.0±0.3 | 1.6   |
| ZECD53  | 5.8±0.3  | 5.2±0.3 | 3.0±0.3 | 1.6   |
| ZECD54  | 5.8±0.3  | 5.2±0.3 | 4.5±0.3 | 1.6   |
| ZECD73  | 7.8±0.3  | 7.0±0.3 | 3.5±0.3 | 2.4   |
| ZECD75  | 7.8±0.3  | 7.0±0.3 | 5.0±0.3 | 2.4   |
| ZECD104 | 10.0±0.3 | 9.0±0.3 | 4.0±0.3 | 3.1   |
| ZECD105 | 10.0±0.3 | 9.0±0.3 | 5.4±0.3 | 3.1   |

## ■ZECD31 Series

| Part Number | Inductance<br>( $\mu$ H) | Test Frequency<br>(Hz) | DCR<br>( $\Omega$ )max | IDC<br>(A)max |
|-------------|--------------------------|------------------------|------------------------|---------------|
| ZECD31-1R0M | 1.0 $\pm$ 20%            | 100K/0.25V             | 0.048                  | 1.60          |
| ZECD31-1R5M | 1.5 $\pm$ 20%            | 100K/0.25V             | 0.078                  | 1.55          |
| ZECD31-2R2M | 2.2 $\pm$ 20%            | 100K/0.25V             | 0.100                  | 1.47          |
| ZECD31-3R3M | 3.3 $\pm$ 20%            | 100K/0.25V             | 0.126                  | 1.34          |
| ZECD31-3R9M | 3.9 $\pm$ 20%            | 100K/0.25V             | 0.140                  | 1.24          |
| ZECD31-4R7M | 4.7 $\pm$ 20%            | 100K/0.25V             | 0.158                  | 1.22          |
| ZECD31-5R6M | 5.6 $\pm$ 20%            | 100K/0.25V             | 0.186                  | 1.09          |
| ZECD31-6R8M | 6.8 $\pm$ 20%            | 100K/0.25V             | 0.213                  | 0.96          |
| ZECD31-8R2M | 8.2 $\pm$ 20%            | 100K/0.25V             | 0.238                  | 0.84          |
| ZECD31-100M | 10 $\pm$ 20%             | 1K/0.25V               | 0.307                  | 0.70          |
| ZECD31-120M | 12 $\pm$ 20%             | 1K/0.25V               | 0.372                  | 0.65          |
| ZECD31-150M | 15 $\pm$ 20%             | 1K/0.25V               | 0.466                  | 0.59          |
| ZECD31-180M | 18 $\pm$ 20%             | 1K/0.25V               | 0.515                  | 0.54          |
| ZECD31-220M | 22 $\pm$ 20%             | 1K/0.25V               | 0.656                  | 0.48          |
| ZECD31-270M | 27 $\pm$ 20%             | 1K/0.25V               | 0.774                  | 0.43          |
| ZECD31-330M | 33 $\pm$ 20%             | 1K/0.25V               | 1.021                  | 0.37          |
| ZECD31-390M | 39 $\pm$ 20%             | 1K/0.25V               | 1.122                  | 0.32          |
| ZECD31-470M | 47 $\pm$ 20%             | 1K/0.25V               | 1.509                  | 0.26          |
| ZECD31-560M | 56 $\pm$ 20%             | 1K/0.25V               | 1.675                  | 0.24          |
| ZECD31-680M | 68 $\pm$ 20%             | 1K/0.25V               | 1.919                  | 0.23          |
| ZECD31-820M | 82 $\pm$ 20%             | 1K/0.25V               | 2.644                  | 0.21          |
| ZECD31-101M | 100 $\pm$ 20%            | 1K/0.25V               | 2.870                  | 0.19          |
| ZECD31-121M | 120 $\pm$ 20%            | 1K/0.25V               | 4.084                  | 0.17          |
| ZECD31-151M | 150 $\pm$ 20%            | 1K/0.25V               | 4.774                  | 0.16          |
| ZECD31-181M | 180 $\pm$ 20%            | 1K/0.25V               | 5.699                  | 0.14          |

## ■ZECD32 Series

| Part Number | Inductance<br>( $\mu$ H) | Test Frequency<br>(Hz) | DCR<br>( $\Omega$ )max | IDC<br>(A)max |
|-------------|--------------------------|------------------------|------------------------|---------------|
| ZECD32-1R0M | 1.0 $\pm$ 20%            | 100K/0.25V             | 0.035                  | 3.34          |
| ZECD32-2R2M | 2.2 $\pm$ 20%            | 100K/0.25V             | 0.059                  | 2.35          |
| ZECD32-3R3M | 3.3 $\pm$ 20%            | 100K/0.25V             | 0.098                  | 1.83          |
| ZECD32-4R7M | 4.7 $\pm$ 20%            | 100K/0.25V             | 0.137                  | 1.50          |
| ZECD32-5R6M | 5.6 $\pm$ 20%            | 100K/0.25V             | 0.157                  | 1.36          |
| ZECD32-6R8M | 6.8 $\pm$ 20%            | 100K/0.25V             | 0.196                  | 1.22          |
| ZECD32-8R2M | 8.2 $\pm$ 20%            | 100K/0.25V             | 0.230                  | 1.09          |
| ZECD32-100K | 10 $\pm$ 10%             | 1K/0.25V               | 0.286                  | 0.95          |
| ZECD32-120K | 12 $\pm$ 10%             | 1K/0.25V               | 0.322                  | 0.88          |
| ZECD32-150K | 15 $\pm$ 10%             | 1K/0.25V               | 0.398                  | 0.82          |
| ZECD32-180K | 18 $\pm$ 10%             | 1K/0.25V               | 0.520                  | 0.76          |
| ZECD32-220K | 22 $\pm$ 10%             | 1K/0.25V               | 0.660                  | 0.63          |
| ZECD32-270K | 27 $\pm$ 10%             | 1K/0.25V               | 0.760                  | 0.62          |

### ■ZECD32 Series

| Part Number | Inductance<br>(uH) | Test Frequency<br>(Hz) | DCR<br>( $\Omega$ )max | IDC<br>(A)max |
|-------------|--------------------|------------------------|------------------------|---------------|
| ZECD32-330K | 33±10%             | 1K/0.25V               | 0.87                   | 0.56          |
| ZECD32-390K | 39±10%             | 1K/0.25V               | 1.10                   | 0.51          |
| ZECD32-470K | 47±10%             | 1K/0.25V               | 1.25                   | 0.47          |
| ZECD32-560K | 56±10%             | 1K/0.25V               | 1.59                   | 0.42          |
| ZECD32-680K | 68±10%             | 1K/0.25V               | 1.82                   | 0.38          |
| ZECD32-820K | 82±10%             | 1K/0.25V               | 2.44                   | 0.34          |
| ZECD32-101K | 100±10%            | 1K/0.25V               | 2.84                   | 0.31          |
| ZECD32-121K | 120±10%            | 1K/0.25V               | 3.19                   | 0.28          |
| ZECD32-151K | 150±10%            | 1K/0.25V               | 4.20                   | 0.175         |
| ZECD32-181K | 180±10%            | 1K/0.25V               | 5.11                   | 0.17          |
| ZECD32-221K | 220±10%            | 1K/0.25V               | 7.31                   | 0.16          |
| ZECD32-271K | 270±10%            | 1K/0.25V               | 8.24                   | 0.14          |
| ZECD32-331K | 330±10%            | 1K/0.25V               | 10.19                  | 0.13          |

### ■ZECD42 Series

| Part Number | Inductance<br>(uH) | Test Frequency<br>(Hz) | DCR<br>( $\Omega$ )max | IDC<br>(A)max |
|-------------|--------------------|------------------------|------------------------|---------------|
| ZECD42-2R7M | 2.7±20%            | 100K/0.25V             | 0.065                  | 1.50          |
| ZECD42-4R7M | 4.7±20%            | 100K/0.25V             | 0.095                  | 1.40          |
| ZECD42-100M | 10±20%             | 1K/0.25V               | 0.18                   | 0.97          |
| ZECD42-220M | 22±20%             | 1K/0.25V               | 0.45                   | 0.60          |
| ZECD42-260M | 26±20%             | 1K/0.25V               | 0.47                   | 0.55          |
| ZECD42-330M | 33±20%             | 1K/0.25V               | 0.50                   | 0.54          |
| ZECD42-390M | 39±20%             | 1K/0.25V               | 0.70                   | 0.50          |
| ZECD42-470M | 47±20%             | 1K/0.25V               | 0.80                   | 0.48          |
| ZECD42-560M | 56±20%             | 1K/0.25V               | 0.90                   | 0.45          |
| ZECD42-101M | 100±20%            | 1K/0.25V               | 1.50                   | 0.10          |
| ZECD42-151M | 150±20%            | 1K/0.25V               | 2.30                   | 0.09          |

### ■ZECD43 Series

| Part Number | Inductance<br>(uH) | Test Frequency<br>(Hz) | DCR<br>( $\Omega$ )max | IDC<br>(A)max |
|-------------|--------------------|------------------------|------------------------|---------------|
| ZECD43-1R0M | 1.0±20%            | 100K/0.25V             | 0.033                  | 3.80          |
| ZECD43-2R2M | 2.2±20%            | 100K/0.25V             | 0.047                  | 2.60          |
| ZECD43-3R3M | 3.3±20%            | 100K/0.25V             | 0.052                  | 2.43          |
| ZECD43-3R9M | 3.9±20%            | 100K/0.25V             | 0.058                  | 2.15          |
| ZECD43-4R7M | 4.7±20%            | 100K/0.25V             | 0.094                  | 1.70          |
| ZECD43-6R8M | 6.8±20%            | 100K/0.25V             | 0.117                  | 1.50          |
| ZECD43-8R2M | 8.2±20%            | 100K/0.25V             | 0.132                  | 1.26          |

### ■ZECD43 Series

| Part Number | Inductance<br>( $\mu$ H) | Test Frequency<br>(Hz) | DCR<br>( $\Omega$ )max | IDC<br>(A)max |
|-------------|--------------------------|------------------------|------------------------|---------------|
| ZECD43-100M | 10 $\pm$ 20%             | 1K/0.25V               | 0.182                  | 1.20          |
| ZECD43-120M | 12 $\pm$ 20%             | 1K/0.25V               | 0.210                  | 1.10          |
| ZECD43-150M | 15 $\pm$ 20%             | 1K/0.25V               | 0.235                  | 0.95          |
| ZECD43-180M | 18 $\pm$ 20%             | 1K/0.25V               | 0.338                  | 0.84          |
| ZECD43-220M | 22 $\pm$ 20%             | 1K/0.25V               | 0.378                  | 0.76          |
| ZECD43-270M | 27 $\pm$ 20%             | 1K/0.25V               | 0.522                  | 0.71          |
| ZECD43-330M | 33 $\pm$ 20%             | 1K/0.25V               | 0.540                  | 0.64          |
| ZECD43-390M | 39 $\pm$ 20%             | 1K/0.25V               | 0.587                  | 0.59          |
| ZECD43-470M | 47 $\pm$ 20%             | 1K/0.25V               | 0.844                  | 0.54          |
| ZECD43-560M | 56 $\pm$ 20%             | 1K/0.25V               | 0.937                  | 0.50          |
| ZECD43-680M | 68 $\pm$ 20%             | 1K/0.25V               | 1.117                  | 0.46          |
| ZECD43-820M | 82 $\pm$ 20%             | 1K/0.25V               | 1.180                  | 0.45          |
| ZECD43-101K | 100 $\pm$ 10%            | 1K/0.25V               | 1.190                  | 0.44          |
| ZECD43-121M | 120 $\pm$ 20%            | 1K/0.25V               | 1.220                  | 0.38          |
| ZECD43-151K | 150 $\pm$ 10%            | 1K/0.25V               | 1.400                  | 0.35          |
| ZECD43-181M | 180 $\pm$ 20%            | 1K/0.25V               | 1.500                  | 0.31          |
| ZECD43-221K | 220 $\pm$ 10%            | 1K/0.25V               | 1.641                  | 0.29          |
| ZECD43-271M | 270 $\pm$ 20%            | 1K/0.25V               | 2.890                  | 0.28          |
| ZECD43-331K | 330 $\pm$ 10%            | 1K/0.25V               | 3.760                  | 0.28          |

### ■ZECD52 Series

| Part Number | Inductance<br>( $\mu$ H) | Test Frequency<br>(Hz) | DCR<br>( $\Omega$ )max | IDC<br>(A)max |
|-------------|--------------------------|------------------------|------------------------|---------------|
| ZECD52-1R0M | 1.0 $\pm$ 20%            | 100K/0.25V             | 0.05                   | 4.2           |
| ZECD52-2R2M | 2.2 $\pm$ 20%            | 100K/0.25V             | 0.08                   | 3.2           |
| ZECD52-3R3M | 3.3 $\pm$ 20%            | 100K/0.25V             | 0.12                   | 2.4           |
| ZECD52-3R9M | 3.9 $\pm$ 20%            | 100K/0.25V             | 0.14                   | 2.0           |
| ZECD52-4R7M | 4.7 $\pm$ 20%            | 100K/0.25V             | 0.15                   | 1.8           |
| ZECD52-5R6M | 5.6 $\pm$ 20%            | 100K/0.25V             | 0.16                   | 1.5           |
| ZECD52-6R8M | 6.8 $\pm$ 20%            | 100K/0.25V             | 0.17                   | 1.4           |
| ZECD52-8R2M | 8.2 $\pm$ 20%            | 100K/0.25V             | 0.20                   | 1.3           |
| ZECD52-100M | 10 $\pm$ 20%             | 1K/0.25V               | 0.23                   | 1.1           |
| ZECD52-120M | 12 $\pm$ 20%             | 1K/0.25V               | 0.25                   | 1.05          |
| ZECD52-150M | 15 $\pm$ 20%             | 1K/0.25V               | 0.30                   | 1.00          |
| ZECD52-180M | 18 $\pm$ 20%             | 1K/0.25V               | 0.35                   | 0.90          |
| ZECD52-220M | 22 $\pm$ 20%             | 1K/0.25V               | 0.40                   | 0.85          |
| ZECD52-270M | 27 $\pm$ 20%             | 1K/0.25V               | 0.50                   | 0.75          |
| ZECD52-330M | 33 $\pm$ 20%             | 1K/0.25V               | 0.55                   | 0.70          |
| ZECD52-390M | 39 $\pm$ 20%             | 1K/0.25V               | 0.65                   | 0.60          |
| ZECD52-470M | 47 $\pm$ 20%             | 1K/0.25V               | 0.75                   | 0.55          |
| ZECD52-560M | 56 $\pm$ 20%             | 1K/0.25V               | 0.95                   | 0.50          |

### ■ZECD52 Series

| Part Number | Inductance<br>( $\mu$ H) | Test Frequency<br>(Hz) | DCR<br>( $\Omega$ )max | IDC<br>(A)max |
|-------------|--------------------------|------------------------|------------------------|---------------|
| ZECD52-680M | 68 $\pm$ 20%             | 1K/0.25V               | 1.20                   | 0.45          |
| ZECD52-820M | 82 $\pm$ 20%             | 1K/0.25V               | 1.40                   | 0.40          |
| ZECD52-101M | 100 $\pm$ 20%            | 1K/0.25V               | 1.75                   | 0.35          |
| ZECD52-121M | 120 $\pm$ 20%            | 1K/0.25V               | 2.0                    | 0.25          |
| ZECD52-151M | 150 $\pm$ 20%            | 1K/0.25V               | 2.6                    | 0.22          |
| ZECD52-181M | 180 $\pm$ 20%            | 1K/0.25V               | 3.7                    | 0.18          |
| ZECD52-221M | 220 $\pm$ 20%            | 1K/0.25V               | 4.0                    | 0.19          |
| ZECD52-271M | 270 $\pm$ 20%            | 1K/0.25V               | 4.2                    | 0.20          |

### ■ZECD53 Series

| Part Number | Inductance<br>( $\mu$ H) | Test Frequency<br>(Hz) | DCR<br>( $\Omega$ )max | IDC<br>(A)max |
|-------------|--------------------------|------------------------|------------------------|---------------|
| ZECD53-1R0M | 1.0 $\pm$ 20%            | 100K/0.25V             | 0.038                  | 4.5           |
| ZECD53-2R2M | 2.2 $\pm$ 20%            | 100K/0.25V             | 0.045                  | 3.5           |
| ZECD53-3R3M | 3.3 $\pm$ 20%            | 100K/0.25V             | 0.055                  | 2.8           |
| ZECD53-3R9M | 3.9 $\pm$ 20%            | 100K/0.25V             | 0.064                  | 2.6           |
| ZECD53-4R7M | 4.7 $\pm$ 20%            | 100K/0.25V             | 0.072                  | 2.5           |
| ZECD53-5R6M | 5.6 $\pm$ 20%            | 100K/0.25V             | 0.084                  | 2.4           |
| ZECD53-6R8M | 6.8 $\pm$ 20%            | 100K/0.25V             | 0.09                   | 2.2           |
| ZECD53-8R2M | 8.2 $\pm$ 20%            | 100K/0.25V             | 0.10                   | 2.0           |
| ZECD53-100K | 10 $\pm$ 10%             | 1K/0.25V               | 0.12                   | 1.8           |
| ZECD53-120K | 12 $\pm$ 10%             | 1K/0.25V               | 0.13                   | 1.8           |
| ZECD53-150K | 15 $\pm$ 10%             | 1K/0.25V               | 0.15                   | 1.7           |
| ZECD53-180K | 18 $\pm$ 10%             | 1K/0.25V               | 0.18                   | 1.6           |
| ZECD53-220K | 22 $\pm$ 10%             | 1K/0.25V               | 0.22                   | 1.5           |
| ZECD53-270K | 27 $\pm$ 10%             | 1K/0.25V               | 0.24                   | 1.4           |
| ZECD53-330K | 33 $\pm$ 10%             | 1K/0.25V               | 0.30                   | 1.1           |
| ZECD53-390K | 39 $\pm$ 10%             | 1K/0.25V               | 0.40                   | 1.0           |
| ZECD53-470K | 47 $\pm$ 10%             | 1K/0.25V               | 0.43                   | 1.0           |
| ZECD53-560K | 56 $\pm$ 10%             | 1K/0.25V               | 0.5                    | 0.85          |
| ZECD53-680K | 68 $\pm$ 10%             | 1K/0.25V               | 0.6                    | 0.80          |
| ZECD53-820K | 82 $\pm$ 10%             | 1K/0.25V               | 0.8                    | 0.65          |
| ZECD53-101K | 100 $\pm$ 10%            | 1K/0.25V               | 0.9                    | 0.63          |
| ZECD53-121K | 120 $\pm$ 10%            | 1K/0.25V               | 1.0                    | 0.58          |
| ZECD53-151K | 150 $\pm$ 10%            | 1K/0.25V               | 1.3                    | 0.48          |
| ZECD53-181K | 180 $\pm$ 10%            | 1K/0.25V               | 1.5                    | 0.41          |
| ZECD53-221K | 220 $\pm$ 10%            | 1K/0.25V               | 2.0                    | 0.38          |
| ZECD53-271K | 270 $\pm$ 10%            | 1K/0.25V               | 2.5                    | 0.35          |
| ZECD53-331K | 330 $\pm$ 10%            | 1K/0.25V               | 3.2                    | 0.28          |

### ■ZECD54 Series

| Part Number | Inductance<br>( $\mu$ H) | Test Frequency<br>(Hz) | DCR<br>( $\Omega$ )max | IDC<br>(A)max |
|-------------|--------------------------|------------------------|------------------------|---------------|
| ZECD54-1R0M | 1.0 $\pm$ 20%            | 100K/0.25V             | 0.020                  | 5.9           |
| ZECD54-1R5M | 1.5 $\pm$ 20%            | 100K/0.25V             | 0.025                  | 4.8           |
| ZECD54-2R2M | 2.2 $\pm$ 20%            | 100K/0.25V             | 0.027                  | 4.5           |
| ZECD54-2R7M | 2.7 $\pm$ 20%            | 100K/0.25V             | 0.030                  | 3.5           |
| ZECD54-3R3M | 3.3 $\pm$ 20%            | 100K/0.25V             | 0.034                  | 3.5           |
| ZECD54-4R7M | 4.7 $\pm$ 20%            | 100K/0.25V             | 0.04                   | 2.8           |
| ZECD54-6R8M | 6.8 $\pm$ 20%            | 100K/0.25V             | 0.08                   | 2.5           |
| ZECD54-100M | 10 $\pm$ 20%             | 1K/0.25V               | 0.10                   | 1.45          |
| ZECD54-120M | 12 $\pm$ 20%             | 1K/0.25V               | 0.12                   | 1.40          |
| ZECD54-150M | 15 $\pm$ 20%             | 1K/0.25V               | 0.14                   | 1.40          |
| ZECD54-180M | 18 $\pm$ 20%             | 1K/0.25V               | 0.15                   | 1.23          |
| ZECD54-220M | 22 $\pm$ 20%             | 1K/0.25V               | 0.18                   | 1.20          |
| ZECD54-270M | 27 $\pm$ 20%             | 1K/0.25V               | 0.20                   | 0.98          |
| ZECD54-330M | 33 $\pm$ 20%             | 1K/0.25V               | 0.23                   | 0.90          |
| ZECD54-390M | 39 $\pm$ 20%             | 1K/0.25V               | 0.32                   | 0.80          |
| ZECD54-470M | 47 $\pm$ 20%             | 1K/0.25V               | 0.37                   | 0.75          |
| ZECD54-560M | 56 $\pm$ 20%             | 1K/0.25V               | 0.42                   | 0.68          |
| ZECD54-680K | 68 $\pm$ 10%             | 1K/0.25V               | 0.46                   | 0.65          |
| ZECD54-820K | 82 $\pm$ 10%             | 1K/0.25V               | 0.60                   | 0.58          |
| ZECD54-101K | 100 $\pm$ 10%            | 1K/0.25V               | 0.70                   | 0.52          |
| ZECD54-121K | 120 $\pm$ 10%            | 1K/0.25V               | 0.93                   | 0.50          |
| ZECD54-151K | 150 $\pm$ 10%            | 1K/0.25V               | 1.10                   | 0.45          |
| ZECD54-181K | 180 $\pm$ 10%            | 1K/0.25V               | 1.38                   | 0.40          |
| ZECD54-221K | 220 $\pm$ 10%            | 1K/0.25V               | 1.57                   | 0.37          |

### ■ZECD73 Series

| Part Number | Inductance<br>( $\mu$ H) | Test Frequency<br>(Hz) | DCR<br>( $\Omega$ )max | IDC<br>(A)max |
|-------------|--------------------------|------------------------|------------------------|---------------|
| ZECD73-1R0M | 1.0 $\pm$ 20%            | 100K/0.25V             | 0.018                  | 7.0           |
| ZECD73-1R5M | 1.5 $\pm$ 20%            | 100K/0.25V             | 0.020                  | 6.0           |
| ZECD73-2R2M | 2.2 $\pm$ 20%            | 100K/0.25V             | 0.023                  | 5.0           |
| ZECD73-3R3M | 3.3 $\pm$ 20%            | 100K/0.25V             | 0.025                  | 4.0           |
| ZECD73-4R7M | 4.7 $\pm$ 20%            | 100K/0.25V             | 0.039                  | 3.5           |
| ZECD73-6R8M | 6.8 $\pm$ 20%            | 100K/0.25V             | 0.04                   | 2.8           |
| ZECD73-100M | 10 $\pm$ 20%             | 1K/0.25V               | 0.08                   | 1.50          |
| ZECD73-120M | 12 $\pm$ 20%             | 1K/0.25V               | 0.09                   | 1.39          |
| ZECD73-150M | 15 $\pm$ 20%             | 1K/0.25V               | 0.10                   | 1.24          |
| ZECD73-180M | 18 $\pm$ 20%             | 1K/0.25V               | 0.11                   | 1.12          |
| ZECD73-220M | 22 $\pm$ 20%             | 1K/0.25V               | 0.13                   | 1.07          |
| ZECD73-270M | 27 $\pm$ 20%             | 1K/0.25V               | 0.15                   | 0.94          |
| ZECD73-330M | 33 $\pm$ 20%             | 1K/0.25V               | 0.17                   | 0.85          |
| ZECD73-390M | 39 $\pm$ 20%             | 1K/0.25V               | 0.22                   | 0.74          |

### ■ZECD73 Series

| Part Number | Inductance<br>(uH) | Test Frequency<br>(Hz) | DCR<br>( $\Omega$ )max | IDC<br>(A)max |
|-------------|--------------------|------------------------|------------------------|---------------|
| ZECD73-470M | 47±20%             | 1K/0.25V               | 0.25                   | 0.68          |
| ZECD73-560M | 56±20%             | 1K/0.25V               | 0.28                   | 0.64          |
| ZECD73-680M | 68±20%             | 1K/0.25V               | 0.33                   | 0.59          |
| ZECD73-820M | 82±20%             | 1K/0.25V               | 0.41                   | 0.54          |
| ZECD73-101M | 100±20%            | 1K/0.25V               | 0.48                   | 0.51          |
| ZECD73-121M | 120±20%            | 1K/0.25V               | 0.54                   | 0.49          |

### ■ZECD75 Series

| Part Number | Inductance<br>(uH) | Test Frequency<br>(Hz) | DCR<br>( $\Omega$ )max | IDC<br>(A)max |
|-------------|--------------------|------------------------|------------------------|---------------|
| ZECD75-1R0M | 1.0±20%            | 100K/0.25V             | 0.013                  | 7.5           |
| ZECD75-1R5M | 1.5±20%            | 100K/0.25V             | 0.023                  | 5.3           |
| ZECD75-2R2M | 2.2±20%            | 100K/0.25V             | 0.028                  | 4.5           |
| ZECD75-3R3M | 3.3±20%            | 100K/0.25V             | 0.045                  | 4.4           |
| ZECD75-4R7M | 4.7±20%            | 100K/0.25V             | 0.058                  | 4.2           |
| ZECD75-6R8M | 6.8±20%            | 100K/0.25V             | 0.07                   | 3.0           |
| ZECD75-100M | 10±20%             | 1K/0.25V               | 0.07                   | 2.5           |
| ZECD75-120M | 12±20%             | 1K/0.25V               | 0.08                   | 2.0           |
| ZECD75-150M | 15±20%             | 1K/0.25V               | 0.09                   | 1.9           |
| ZECD75-180M | 18±20%             | 1K/0.25V               | 0.10                   | 1.6           |
| ZECD75-220M | 22±20%             | 1K/0.25V               | 0.11                   | 1.6           |
| ZECD75-270M | 27±20%             | 1K/0.25V               | 0.12                   | 1.4           |
| ZECD75-330M | 33±20%             | 1K/0.25V               | 0.13                   | 1.3           |
| ZECD75-390M | 39±20%             | 1K/0.25V               | 0.16                   | 1.2           |
| ZECD75-470M | 47±20%             | 1K/0.25V               | 0.18                   | 1.2           |
| ZECD75-560K | 56±10%             | 1K/0.25V               | 0.24                   | 0.95          |
| ZECD75-680K | 68±10%             | 1K/0.25V               | 0.28                   | 0.88          |
| ZECD75-820K | 82±10%             | 1K/0.25V               | 0.37                   | 0.80          |
| ZECD75-101K | 100±10%            | 1K/0.25V               | 0.43                   | 0.75          |
| ZECD75-121K | 120±10%            | 1K/0.25V               | 0.47                   | 0.66          |
| ZECD75-151K | 150±10%            | 1K/0.25V               | 0.64                   | 0.60          |
| ZECD75-181K | 180±10%            | 1K/0.25V               | 0.71                   | 0.53          |
| ZECD75-221K | 220±10%            | 1K/0.25V               | 0.96                   | 0.50          |
| ZECD75-271K | 270±10%            | 1K/0.25V               | 1.11                   | 0.42          |
| ZECD75-331K | 330±10%            | 1K/0.25V               | 1.26                   | 0.41          |
| ZECD75-391K | 390±10%            | 1K/0.25V               | 1.77                   | 0.38          |
| ZECD75-471K | 470±10%            | 1K/0.25V               | 1.96                   | 0.36          |
| ZECD75-561K | 560 ± 10%          | 1K/0.25V               | 2.9                    | 0.33          |

## ■ZECD104 Series

| Part Number  | Inductance<br>( $\mu$ H) | Test Frequency<br>(Hz) | DCR<br>( $\Omega$ )max | IDC<br>(A)max |
|--------------|--------------------------|------------------------|------------------------|---------------|
| ZECD104-1R0M | 1.0 $\pm$ 20%            | 100K/0.25V             | 0.012                  | 8.70          |
| ZECD104-1R5M | 1.5 $\pm$ 20%            | 100K/0.25V             | 0.020                  | 5.40          |
| ZECD104-2R2M | 2.2 $\pm$ 20%            | 100K/0.25V             | 0.028                  | 2.85          |
| ZECD104-3R3M | 3.3 $\pm$ 20%            | 100K/0.25V             | 0.038                  | 2.75          |
| ZECD104-4R7M | 4.7 $\pm$ 20%            | 100K/0.25V             | 0.040                  | 2.70          |
| ZECD104-6R8M | 6.8 $\pm$ 20%            | 100K/0.25V             | 0.042                  | 2.65          |
| ZECD104-100M | 10 $\pm$ 20%             | 1K/0.25V               | 0.048                  | 2.60          |
| ZECD104-120M | 12 $\pm$ 20%             | 1K/0.25V               | 0.05                   | 2.38          |
| ZECD104-150M | 15 $\pm$ 20%             | 1K/0.25V               | 0.07                   | 1.87          |
| ZECD104-180M | 18 $\pm$ 20%             | 1K/0.25V               | 0.08                   | 1.73          |
| ZECD104-220M | 22 $\pm$ 20%             | 1K/0.25V               | 0.09                   | 1.60          |
| ZECD104-270M | 27 $\pm$ 20%             | 1K/0.25V               | 0.10                   | 1.44          |
| ZECD104-330M | 33 $\pm$ 20%             | 1K/0.25V               | 0.12                   | 1.26          |
| ZECD104-390M | 39 $\pm$ 20%             | 1K/0.25V               | 0.15                   | 1.20          |
| ZECD104-470M | 47 $\pm$ 20%             | 1K/0.25V               | 0.17                   | 1.10          |
| ZECD104-560M | 56 $\pm$ 20%             | 1K/0.25V               | 0.20                   | 1.01          |
| ZECD104-680M | 68 $\pm$ 20%             | 1K/0.25V               | 0.22                   | 0.91          |
| ZECD104-820M | 82 $\pm$ 20%             | 1K/0.25V               | 0.25                   | 0.85          |
| ZECD104-101M | 100 $\pm$ 20%            | 1K/0.25V               | 0.34                   | 0.74          |
| ZECD104-121M | 120 $\pm$ 20%            | 1K/0.25V               | 0.40                   | 0.69          |
| ZECD104-151M | 150 $\pm$ 20%            | 1K/0.25V               | 0.54                   | 0.61          |
| ZECD104-181M | 180 $\pm$ 20%            | 1K/0.25V               | 0.62                   | 0.56          |
| ZECD104-221M | 220 $\pm$ 20%            | 1K/0.25V               | 0.72                   | 0.53          |
| ZECD104-271M | 270 $\pm$ 20%            | 1K/0.25V               | 0.95                   | 0.45          |
| ZECD104-331M | 330 $\pm$ 20%            | 1K/0.25V               | 1.10                   | 0.42          |
| ZECD104-391M | 390 $\pm$ 20%            | 1K/0.25V               | 1.24                   | 0.38          |
| ZECD104-471M | 470 $\pm$ 20%            | 1K/0.25V               | 1.53                   | 0.35          |
| ZECD104-561M | 560 $\pm$ 20%            | 1K/0.25V               | 1.90                   | 0.32          |

## ■ZECD105 Series

| Part Number  | Inductance<br>( $\mu$ H) | Test Frequency<br>(Hz) | DCR<br>( $\Omega$ )max | IDC<br>(A)max |
|--------------|--------------------------|------------------------|------------------------|---------------|
| ZECD105-1R0M | 1.0 $\pm$ 20%            | 100K/0.25V             | 0.009                  | 8.63          |
| ZECD105-2R2M | 2.2 $\pm$ 20%            | 100K/0.25V             | 0.016                  | 7.20          |
| ZECD105-3R3M | 3.3 $\pm$ 20%            | 100K/0.25V             | 0.018                  | 6.50          |
| ZECD105-4R7M | 4.7 $\pm$ 20%            | 100K/0.25V             | 0.02                   | 5.50          |
| ZECD105-6R8M | 6.8 $\pm$ 20%            | 100K/0.25V             | 0.04                   | 4.50          |
| ZECD105-100M | 10 $\pm$ 20%             | 1K/0.25V               | 0.06                   | 2.60          |
| ZECD105-150M | 15 $\pm$ 20%             | 1K/0.25V               | 0.07                   | 2.30          |
| ZECD105-180M | 18 $\pm$ 20%             | 1K/0.25V               | 0.08                   | 2.20          |
| ZECD105-220M | 22 $\pm$ 20%             | 1K/0.25V               | 0.09                   | 2.00          |

## ■ZECD105 Series

| Part Number  | Inductance<br>( $\mu$ H) | Test Frequency<br>(Hz) | DCR<br>( $\Omega$ )max | IDC<br>(A)max |
|--------------|--------------------------|------------------------|------------------------|---------------|
| ZECD105-270M | 27 $\pm$ 20%             | 1K/0.25V               | 0.10                   | 1.80          |
| ZECD105-330M | 33 $\pm$ 20%             | 1K/0.25V               | 0.11                   | 1.50          |
| ZECD105-390M | 39 $\pm$ 20%             | 1K/0.25V               | 0.12                   | 1.40          |
| ZECD105-470M | 47 $\pm$ 20%             | 1K/0.25V               | 0.14                   | 1.30          |
| ZECD105-560K | 56 $\pm$ 10%             | 1K/0.25V               | 0.19                   | 1.20          |
| ZECD105-680K | 68 $\pm$ 10%             | 1K/0.25V               | 0.21                   | 1.20          |
| ZECD105-820K | 82 $\pm$ 10%             | 1K/0.25V               | 0.28                   | 1.00          |
| ZECD105-101K | 100 $\pm$ 10%            | 1K/0.25V               | 0.34                   | 1.00          |
| ZECD105-121K | 120 $\pm$ 10%            | 1K/0.25V               | 0.37                   | 0.90          |
| ZECD105-151K | 150 $\pm$ 10%            | 1K/0.25V               | 0.51                   | 0.80          |
| ZECD105-181K | 180 $\pm$ 10%            | 1K/0.25V               | 0.57                   | 0.50          |
| ZECD105-221K | 220 $\pm$ 10%            | 1K/0.25V               | 0.78                   | 0.66          |
| ZECD105-271K | 270 $\pm$ 10%            | 1K/0.25V               | 0.87                   | 0.41          |
| ZECD105-331K | 330 $\pm$ 10%            | 1K/0.25V               | 1.20                   | 0.55          |
| ZECD105-471K | 470 $\pm$ 10%            | 1K/0.25V               | 1.50                   | 0.45          |
| ZECD105-561K | 560 $\pm$ 10%            | 1K/0.25V               | 1.90                   | 0.30          |
| ZECD105-681K | 680 $\pm$ 10%            | 1K/0.25V               | 2.25                   | 0.28          |
| ZECD105-821K | 820 $\pm$ 10%            | 1K/0.25V               | 2.55                   | 0.24          |

- \* The maximum rated current is a DC current which causes initial inductance to decrease by 25% or temperature to rise by 40°C, whichever is smaller (at ambient reference temperature: 20 °C).
- \* Operating Temperature: -40°C to +125°C.