

# SPECIFICATION FOR APPROVAL

**RoHS  
COMPLIANT**



**Product Series Code**

**CD - Series**

**SMD Drum Core Power Choke**

## Features

- High energy storage and low DCR.
- Wide range inductance (from low inductance to high inductance in large current.)
- All series of product are RoHS compliant.

## Applications

- Ideal for power source circuits, DC-DC converters, AC-DC inverters.

## Product Identification

**CD    32    -    100    M**

1            2            3            4

1. Product Code:

CD = Hung Tron Code.

3. Inductance Code:

100 = 10uH.

2. Dimension Code:

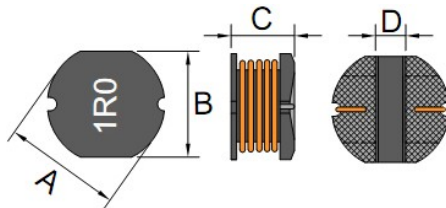
32 = 3.5 \* 3.0 \* 2.0 mm.

4. Tolerance Code:

K = 10%.

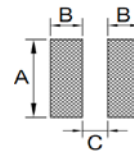
M = 20%

## Dimension (Unit: mm)



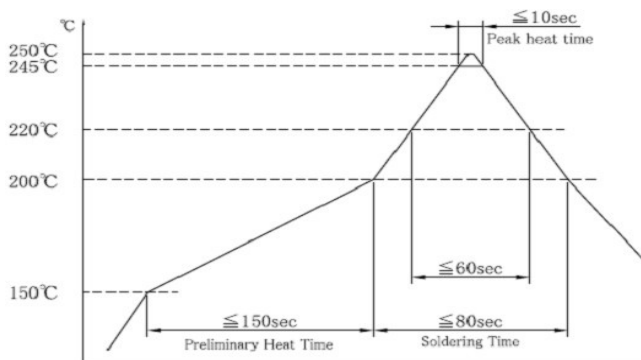
| Type  | (A±0.3) | (B±0.3) | (C±0.3) | D(Ref.) |
|-------|---------|---------|---------|---------|
| CD31  | 3.50    | 3.00    | 1.60    | 1.00    |
| CD32  | 3.50    | 3.00    | 2.10    | 1.00    |
| CD43  | 4.50    | 4.00    | 3.20    | 1.20    |
| CD52  | 5.80    | 5.20    | 2.50    | 1.30    |
| CD53  | 5.80    | 5.20    | 3.20    | 1.30    |
| CD54  | 5.80    | 5.20    | 4.50    | 1.30    |
| CD73  | 7.80    | 7.00    | 3.50    | 2.10    |
| CD75  | 7.80    | 7.00    | 5.00    | 2.10    |
| CD104 | 10.00   | 9.00    | 4.20    | 2.10    |
| CD105 | 10.00   | 9.00    | 5.50    | 2.10    |

## Land Pattern (Unit: mm)



| Type   | A(Ref.) | B(Ref.) | C(Ref.) |
|--------|---------|---------|---------|
| CD 31  | 3.50    | 1.10    | 1.50    |
| CD 32  | 3.50    | 1.10    | 1.50    |
| CD 43  | 4.50    | 1.75    | 1.50    |
| CD 52  | 5.50    | 2.15    | 1.70    |
| CD 53  | 5.50    | 2.15    | 1.70    |
| CD 54  | 5.50    | 2.15    | 1.70    |
| CD 73  | 7.50    | 3.00    | 2.00    |
| CD 75  | 7.50    | 3.00    | 2.00    |
| CD 104 | 9.50    | 3.50    | 2.50    |
| CD 105 | 9.50    | 3.50    | 2.50    |

## Reflow Heat Endurance



## Operating & Storage Conditions

Operating Temp. : -40°C~+105°C.

Storage Temp. : -40°C~+85°C.

Storage life time : 12 months@25°C,RH65%.

## Standard & Atmospheric Conditions

Ambient Temp. : 20°C±15°C / Relative Humidity : 65±20%. If there may be any doubt on the result, measurement shall be made within the following limits :

Ambient Temp. : 25°C±5°C / Relative Humidity : 75±10%.

## Test Equipment

HP4284A, HOKIO3532-50- IDC, L.

TH2512B -RDC.

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## ELECTRICAL CHARACTERISTICS FOR CD31 SERIES

| Part Number<br>產品料號 | Inductance<br>( $\mu$ H)<br>電感值 (L) | Test Freq.<br>(Hz)<br>測試頻率 | DCR ( $\Omega$ )<br>(max)<br>直流阻抗 | IDC (A)<br>(max)<br>定格電流 |
|---------------------|-------------------------------------|----------------------------|-----------------------------------|--------------------------|
| CD31-2R2M           | 2.20                                | 1M                         | 0.10                              | 0.79                     |
| CD31-4R7M           | 4.70                                | 1M                         | 0.15                              | 0.65                     |
| CD31-100M           | 10.00                               | 1M                         | 0.30                              | 0.45                     |
| CD31-150M           | 15.00                               | 1M                         | 0.58                              | 0.30                     |
| CD31-220M           | 22.00                               | 1M                         | 0.71                              | 0.25                     |
| CD31-330M           | 33.00                               | 1M                         | 1.10                              | 0.20                     |
| CD31-470M           | 47.00                               | 1M                         | 1.30                              | 0.17                     |
| CD31-680M           | 68.00                               | 1M                         | 2.20                              | 0.13                     |
| CD31-101M           | 100.00                              | 1M                         | 3.50                              | 0.10                     |

## ELECTRICAL CHARACTERISTICS FOR CD32 SERIES

| Part Number<br>產品料號 | Inductance<br>( $\mu$ H)<br>電感值 (L) | Test Freq.<br>(KHz)<br>測試頻率 | DCR ( $\Omega$ )<br>(max)<br>直流阻抗 | IDC (A)<br>(max)<br>定格電流 |
|---------------------|-------------------------------------|-----------------------------|-----------------------------------|--------------------------|
| CD32-1R0M           | 1.00                                | 100                         | 0.045                             | 2.20                     |
| CD32-1R2M           | 1.20                                | 100                         | 0.050                             | 2.10                     |
| CD32-1R5M           | 1.50                                | 100                         | 0.055                             | 1.70                     |
| CD32-1R8M           | 1.80                                | 100                         | 0.070                             | 1.65                     |
| CD32-2R2M           | 2.20                                | 100                         | 0.085                             | 1.60                     |
| CD32-2R7M           | 2.70                                | 100                         | 0.100                             | 1.40                     |
| CD32-3R3M           | 3.30                                | 100                         | 0.120                             | 1.05                     |
| CD32-3R9M           | 3.90                                | 100                         | 0.125                             | 1.00                     |
| CD32-4R7M           | 4.70                                | 100                         | 0.135                             | 1.00                     |
| CD32-5R6M           | 5.60                                | 100                         | 0.145                             | 0.95                     |
| CD32-6R8M           | 6.80                                | 100                         | 0.200                             | 0.95                     |
| CD32-8R2M           | 8.20                                | 100                         | 0.250                             | 0.92                     |
| CD32-100K           | 10.00                               | 100                         | 0.320                             | 0.90                     |
| CD32-120K           | 12.00                               | 100                         | 0.350                             | 0.85                     |
| CD32-150K           | 15.00                               | 100                         | 0.460                             | 0.75                     |
| CD32-180K           | 18.00                               | 100                         | 0.520                             | 0.70                     |
| CD32-220K           | 22.00                               | 100                         | 0.650                             | 0.60                     |
| CD32-270K           | 27.00                               | 100                         | 0.750                             | 0.55                     |
| CD32-330K           | 33.00                               | 100                         | 0.920                             | 0.50                     |
| CD32-390K           | 39.00                               | 100                         | 1.000                             | 0.48                     |
| CD32-470K           | 47.00                               | 100                         | 1.150                             | 0.45                     |
| CD32-560K           | 56.00                               | 100                         | 1.500                             | 0.30                     |
| CD32-680K           | 68.00                               | 100                         | 2.000                             | 0.26                     |
| CD32-820K           | 82.00                               | 100                         | 2.150                             | 0.23                     |
| CD32-101K           | 100.00                              | 100                         | 2.500                             | 0.20                     |
| CD32-121K           | 120.00                              | 100                         | 3.400                             | 0.18                     |

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| Part Number<br>產品料號 | Inductance<br>( $\mu$ H)<br>電感值 (L) | Test Freq.<br>(KHz)<br>測試頻率 | DCR ( $\Omega$ )<br>(max)<br>直流阻抗 | IDC (A)<br>(max)<br>定格電流 |
|---------------------|-------------------------------------|-----------------------------|-----------------------------------|--------------------------|
| CD32-151K           | 150.00                              | 100                         | 4.200                             | 0.16                     |
| CD32-181K           | 180.00                              | 100                         | 4.500                             | 0.15                     |
| CD32-221K           | 220.00                              | 100                         | 5.100                             | 0.14                     |
| CD32-271K           | 270.00                              | 100                         | 8.500                             | 0.10                     |
| CD32-331K           | 330.00                              | 100                         | 9.500                             | 0.09                     |

## ELECTRICAL CHARACTERISTICS FOR CD43 SERIES

| Part Number<br>產品料號 | Inductance<br>( $\mu$ H)<br>電感值 (L) | Test Freq.<br>(Hz)<br>測試頻率 | DCR ( $\Omega$ )<br>(max)<br>直流阻抗 | IDC (A)<br>(max)<br>定格電流 |
|---------------------|-------------------------------------|----------------------------|-----------------------------------|--------------------------|
| CD43-1R0M           | 1.00                                | 7.96 M                     | 0.033                             | 3.80                     |
| CD43-1R4M           | 1.40                                | 7.96 M                     | 0.038                             | 3.30                     |
| CD43-1R8M           | 1.80                                | 7.96 M                     | 0.042                             | 2.91                     |
| CD43-2R2M           | 2.20                                | 7.96 M                     | 0.047                             | 2.60                     |
| CD43-2R7M           | 2.70                                | 7.96 M                     | 0.052                             | 2.43                     |
| CD43-3R3M           | 3.30                                | 7.96 M                     | 0.058                             | 2.15                     |
| CD43-3R9M           | 3.90                                | 7.96 M                     | 0.076                             | 1.98                     |
| CD43-4R7M           | 4.70                                | 7.96 M                     | 0.094                             | 1.70                     |
| CD43-5R6M           | 5.60                                | 7.96 M                     | 0.101                             | 1.60                     |
| CD43-6R8M           | 6.80                                | 7.96 M                     | 0.117                             | 1.41                     |
| CD43-8R2M           | 8.20                                | 7.96 M                     | 0.132                             | 1.26                     |
| CD43-100K           | 10.00                               | 2.52 M                     | 0.182                             | 1.15                     |
| CD43-120K           | 12.00                               | 2.52 M                     | 0.210                             | 1.05                     |
| CD43-150K           | 15.00                               | 2.52 M                     | 0.235                             | 0.92                     |
| CD43-180K           | 18.00                               | 2.52 M                     | 0.338                             | 0.84                     |
| CD43-220K           | 22.00                               | 2.52 M                     | 0.378                             | 0.76                     |
| CD43-270K           | 27.00                               | 2.52 M                     | 0.522                             | 0.71                     |
| CD43-330K           | 33.00                               | 2.52 M                     | 0.540                             | 0.64                     |
| CD43-390K           | 39.00                               | 2.52 M                     | 0.587                             | 0.59                     |
| CD43-470K           | 47.00                               | 2.52 M                     | 0.844                             | 0.54                     |
| CD43-560K           | 56.00                               | 2.52 M                     | 0.937                             | 0.50                     |
| CD43-680K           | 68.00                               | 2.52 M                     | 1.117                             | 0.46                     |
| CD43-820K           | 82.00                               | 1 K                        | 1.345                             | 0.45                     |
| CD43-101K           | 100.00                              | 1 K                        | 1.520                             | 0.44                     |
| CD43-121K           | 120.00                              | 1 K                        | 1.800                             | 0.43                     |
| CD43-151K           | 150.00                              | 1 K                        | 2.000                             | 0.42                     |
| CD43-181K           | 180.00                              | 1 K                        | 3.200                             | 0.38                     |
| CD43-221K           | 220.00                              | 1 K                        | 3.400                             | 0.36                     |
| CD43-271K           | 270.00                              | 1 K                        | 3.900                             | 0.34                     |
| CD43-331K           | 330.00                              | 1 K                        | 5.300                             | 0.28                     |
| CD43-391K           | 390.00                              | 1 K                        | 5.900                             | 0.24                     |
| CD43-471K           | 470.00                              | 1 K                        | 6.800                             | 0.21                     |
| CD43-561K           | 560.00                              | 1 K                        | 8.500                             | 0.20                     |
| CD43-681K           | 680.00                              | 1 K                        | 10.000                            | 0.18                     |
| CD43-821K           | 820.00                              | 1 K                        | 13.400                            | 0.15                     |
| CD43-102K           | 1000.00                             | 1 K                        | 15.600                            | 0.14                     |

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## ELECTRICAL CHARACTERISTICS FOR CD52 SERIES

| Part Number<br>產品料號 | Inductance<br>( $\mu$ H)<br>電感值 (L) | Test Freq.<br>(KHz)<br>測試頻率 | DCR ( $\Omega$ )<br>(max)<br>直流阻抗 | IDC (A)<br>(max)<br>定格電流 |
|---------------------|-------------------------------------|-----------------------------|-----------------------------------|--------------------------|
| CD52-1R2M           | 1.20                                | 100                         | 0.050                             | 4.20                     |
| CD52-1R5M           | 1.50                                | 100                         | 0.060                             | 4.00                     |
| CD52-1R8M           | 1.80                                | 100                         | 0.065                             | 3.70                     |
| CD52-2R2M           | 2.20                                | 100                         | 0.070                             | 3.50                     |
| CD52-2R7M           | 2.70                                | 100                         | 0.080                             | 3.20                     |
| CD52-3R3M           | 3.30                                | 100                         | 0.100                             | 2.70                     |
| CD52-3R9M           | 3.90                                | 100                         | 0.120                             | 2.40                     |
| CD52-4R7M           | 4.70                                | 100                         | 0.140                             | 2.00                     |
| CD52-5R6M           | 5.60                                | 100                         | 0.150                             | 1.80                     |
| CD52-6R8M           | 6.80                                | 100                         | 0.160                             | 1.50                     |
| CD52-8R2M           | 8.20                                | 100                         | 0.170                             | 1.40                     |
| CD52-100K           | 10.00                               | 100                         | 0.200                             | 1.30                     |
| CD52-120K           | 12.00                               | 100                         | 0.230                             | 1.10                     |
| CD52-150K           | 15.00                               | 100                         | 0.250                             | 1.05                     |
| CD52-180K           | 18.00                               | 100                         | 0.300                             | 1.00                     |
| CD52-220K           | 22.00                               | 100                         | 0.350                             | 0.90                     |
| CD52-270K           | 27.00                               | 100                         | 0.400                             | 0.85                     |
| CD52-330K           | 33.00                               | 100                         | 0.500                             | 0.75                     |
| CD52-390K           | 39.00                               | 100                         | 0.550                             | 0.70                     |
| CD52-470K           | 47.00                               | 100                         | 0.650                             | 0.60                     |
| CD52-560K           | 56.00                               | 100                         | 0.750                             | 0.55                     |
| CD52-680K           | 68.00                               | 100                         | 0.950                             | 0.50                     |
| CD52-820K           | 82.00                               | 100                         | 1.200                             | 0.45                     |
| CD52-101K           | 100.00                              | 100                         | 1.400                             | 0.40                     |
| CD52-121K           | 120.00                              | 100                         | 1.750                             | 0.35                     |
| CD52-151K           | 150.00                              | 100                         | 2.000                             | 0.25                     |
| CD52-181K           | 180.00                              | 100                         | 2.600                             | 0.22                     |
| CD52-221K           | 220.00                              | 100                         | 3.000                             | 0.20                     |
| CD52-271K           | 270.00                              | 100                         | 3.700                             | 0.18                     |
| CD52-331K           | 330.00                              | 100                         | 4.300                             | 0.17                     |
| CD52-391K           | 390.00                              | 100                         | 6.000                             | 0.16                     |
| CD52-471K           | 470.00                              | 100                         | 6.700                             | 0.15                     |

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## ELECTRICAL CHARACTERISTICS FOR CD53 SERIES

| Part Number<br>產品料號 | Inductance<br>( $\mu$ H)<br>電感值 (L) | Test Freq.<br>(Hz)<br>測試頻率 | DCR ( $\Omega$ )<br>(max)<br>直流阻抗 | IDC (A)<br>(max)<br>定格電流 |
|---------------------|-------------------------------------|----------------------------|-----------------------------------|--------------------------|
| CD53-1R0M           | 1.00                                | 7.96 M                     | 0.030                             | 4.50                     |
| CD53-1R2M           | 1.20                                | 7.96 M                     | 0.030                             | 4.20                     |
| CD53-1R5M           | 1.50                                | 7.96 M                     | 0.030                             | 4.10                     |
| CD53-1R8M           | 1.80                                | 7.96 M                     | 0.030                             | 3.70                     |
| CD53-2R2M           | 2.20                                | 7.96 M                     | 0.030                             | 3.50                     |
| CD53-2R7M           | 2.70                                | 7.96 M                     | 0.040                             | 3.20                     |
| CD53-3R3M           | 3.30                                | 7.96 M                     | 0.050                             | 2.80                     |
| CD53-3R9M           | 3.90                                | 7.96 M                     | 0.060                             | 2.60                     |
| CD53-4R7M           | 4.70                                | 7.96 M                     | 0.070                             | 2.50                     |
| CD53-5R6M           | 5.60                                | 7.96 M                     | 0.080                             | 2.40                     |
| CD53-6R8M           | 6.80                                | 7.96 M                     | 0.090                             | 2.20                     |
| CD53-8R2M           | 8.20                                | 7.96 M                     | 0.100                             | 2.00                     |
| CD53-100K           | 10.00                               | 2.52 M                     | 0.120                             | 1.80                     |
| CD53-120K           | 12.00                               | 2.52 M                     | 0.130                             | 1.75                     |
| CD53-150K           | 15.00                               | 2.52 M                     | 0.150                             | 1.70                     |
| CD53-180K           | 18.00                               | 2.52 M                     | 0.180                             | 1.60                     |
| CD53-220K           | 22.00                               | 2.52 M                     | 0.220                             | 1.50                     |
| CD53-270K           | 27.00                               | 2.52 M                     | 0.240                             | 1.40                     |
| CD53-330K           | 33.00                               | 2.52 M                     | 0.300                             | 1.10                     |
| CD53-390K           | 39.00                               | 2.52 M                     | 0.400                             | 1.00                     |
| CD53-470K           | 47.00                               | 2.52 M                     | 0.430                             | 0.90                     |
| CD53-560K           | 56.00                               | 2.52 M                     | 0.500                             | 0.85                     |
| CD53-680K           | 68.00                               | 2.52 M                     | 0.600                             | 0.80                     |
| CD53-820K           | 82.00                               | 2.52 M                     | 0.800                             | 0.65                     |
| CD53-101K           | 100.00                              | 1 K                        | 0.900                             | 0.60                     |
| CD53-121K           | 120.00                              | 1 K                        | 1.000                             | 0.58                     |
| CD53-151K           | 150.00                              | 1 K                        | 1.300                             | 0.43                     |
| CD53-181K           | 180.00                              | 1 K                        | 1.500                             | 0.41                     |
| CD53-221K           | 220.00                              | 1 K                        | 2.000                             | 0.38                     |
| CD53-271K           | 270.00                              | 1 K                        | 2.500                             | 0.35                     |
| CD53-331K           | 330.00                              | 1 K                        | 3.200                             | 0.28                     |
| CD53-391K           | 390.00                              | 1 K                        | 3.500                             | 0.26                     |

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|---------------------|-------------------------------------|----------------------------|-----------------------------------|--------------------------|
| CD53-471K           | 470.00                              | 1 K                        | 4.200                             | 0.20                     |
| CD53-561K           | 560.00                              | 1 K                        | 4.500                             | 0.19                     |
| CD53-681K           | 680.00                              | 1 K                        | 6.000                             | 0.18                     |
| CD53-821K           | 820.00                              | 1 K                        | 6.500                             | 0.15                     |
| CD53-102K           | 1000.00                             | 1 K                        | 8.000                             | 0.13                     |

## ELECTRICAL CHARACTERISTICS FOR CD54 SERIES

| Part Number<br>產品料號 | Inductance<br>( $\mu$ H)<br>電感值 (L) | Test Freq.<br>(Hz)<br>測試頻率 | DCR ( $\Omega$ )<br>(max)<br>直流阻抗 | IDC (A)<br>(max)<br>定格電流 |
|---------------------|-------------------------------------|----------------------------|-----------------------------------|--------------------------|
| CD54-1R0M           | 1.00                                | 7.96 M                     | 0.015                             | 5.90                     |
| CD54-1R2M           | 1.20                                | 7.96 M                     | 0.020                             | 5.20                     |
| CD54-1R5M           | 1.50                                | 7.96 M                     | 0.025                             | 4.70                     |
| CD54-1R8M           | 1.80                                | 7.96 M                     | 0.030                             | 4.00                     |
| CD54-2R2M           | 2.20                                | 7.96 M                     | 0.035                             | 3.80                     |
| CD54-2R7M           | 2.70                                | 7.96 M                     | 0.040                             | 3.40                     |
| CD54-3R3M           | 3.30                                | 7.96 M                     | 0.045                             | 3.30                     |
| CD54-3R9M           | 3.90                                | 7.96 M                     | 0.050                             | 2.90                     |
| CD54-4R7M           | 4.70                                | 7.96 M                     | 0.060                             | 2.80                     |
| CD54-5R6M           | 5.60                                | 7.96 M                     | 0.070                             | 2.40                     |
| CD54-6R8M           | 6.80                                | 7.96 M                     | 0.080                             | 2.10                     |
| CD54-8R2M           | 8.20                                | 7.96 M                     | 0.090                             | 2.00                     |
| CD54-100K           | 10.00                               | 2.52 M                     | 0.100                             | 1.44                     |
| CD54-120K           | 12.00                               | 2.52 M                     | 0.120                             | 1.40                     |
| CD54-150K           | 15.00                               | 2.52 M                     | 0.140                             | 1.30                     |
| CD54-180K           | 18.00                               | 2.52 M                     | 0.150                             | 1.23                     |
| CD54-220K           | 22.00                               | 2.52 M                     | 0.180                             | 1.11                     |
| CD54-270K           | 27.00                               | 2.52 M                     | 0.200                             | 0.97                     |
| CD54-330K           | 33.00                               | 2.52 M                     | 0.230                             | 0.88                     |
| CD54-390K           | 39.00                               | 2.52 M                     | 0.320                             | 0.80                     |
| CD54-470K           | 47.00                               | 2.52 M                     | 0.370                             | 0.72                     |
| CD54-560K           | 56.00                               | 2.52 M                     | 0.420                             | 0.68                     |
| CD54-680K           | 68.00                               | 2.52 M                     | 0.460                             | 0.61                     |

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| Part Number<br>產品料號 | Inductance<br>( $\mu$ H)<br>電感值 (L) | Test Freq.<br>(Hz)<br>測試頻率 | DCR ( $\Omega$ )<br>(max)<br>直流阻抗 | IDC (A)<br>(max)<br>定格電流 |
|---------------------|-------------------------------------|----------------------------|-----------------------------------|--------------------------|
| CD54-820K           | 82.00                               | 2.52 M                     | 0.600                             | 0.58                     |
| CD54-101K           | 100.00                              | 1 K                        | 0.700                             | 0.52                     |
| CD54-121K           | 120.00                              | 1 K                        | 0.930                             | 0.48                     |
| CD54-151K           | 150.00                              | 1 K                        | 1.100                             | 0.40                     |
| CD54-181K           | 180.00                              | 1 K                        | 1.380                             | 0.38                     |
| CD54-221K           | 220.00                              | 1 K                        | 1.570                             | 0.35                     |
| CD54-271K           | 270.00                              | 1 K                        | 1.650                             | 0.32                     |
| CD54-331K           | 330.00                              | 1 K                        | 1.700                             | 0.28                     |
| CD54-391K           | 390.00                              | 1 K                        | 1.800                             | 0.26                     |
| CD54-471K           | 470.00                              | 1 K                        | 2.300                             | 0.23                     |
| CD54-561K           | 560.00                              | 1 K                        | 2.500                             | 0.20                     |
| CD54-681K           | 680.00                              | 1 K                        | 3.000                             | 0.19                     |
| CD54-821K           | 820.00                              | 1 K                        | 4.500                             | 0.16                     |
| CD54-102K           | 1000.00                             | 1 K                        | 4.800                             | 0.14                     |

## ELECTRICAL CHARACTERISTICS FOR CD73 SERIES

| Part Number<br>產品料號 | Inductance<br>( $\mu$ H)<br>電感值 (L) | Test Freq.<br>(Hz)<br>測試頻率 | DCR ( $\Omega$ )<br>(max)<br>直流阻抗 | IDC (A)<br>(max)<br>定格電流 |
|---------------------|-------------------------------------|----------------------------|-----------------------------------|--------------------------|
| CD73-100K           | 10.00                               | 2.52 M                     | 0.080                             | 1.44                     |
| CD73-120K           | 12.00                               | 2.52 M                     | 0.090                             | 1.39                     |
| CD73-150K           | 15.00                               | 2.52 M                     | 0.100                             | 1.24                     |
| CD73-180K           | 18.00                               | 2.52 M                     | 0.110                             | 1.12                     |
| CD73-220K           | 22.00                               | 2.52 M                     | 0.130                             | 1.07                     |
| CD73-270K           | 27.00                               | 2.52 M                     | 0.150                             | 0.94                     |
| CD73-330K           | 33.00                               | 2.52 M                     | 0.170                             | 0.85                     |
| CD73-390K           | 39.00                               | 2.52 M                     | 0.220                             | 0.74                     |
| CD73-470K           | 47.00                               | 2.52 M                     | 0.250                             | 0.68                     |
| CD73-560K           | 56.00                               | 2.52 M                     | 0.280                             | 0.64                     |
| CD73-680K           | 68.00                               | 2.52 M                     | 0.330                             | 0.59                     |
| CD73-820K           | 82.00                               | 2.52 M                     | 0.410                             | 0.54                     |
| CD73-101K           | 100.00                              | 1 K                        | 0.480                             | 0.51                     |
| CD73-121K           | 120.00                              | 1 K                        | 0.540                             | 0.49                     |
| CD73-151K           | 150.00                              | 1 K                        | 0.750                             | 0.40                     |
| CD73-181K           | 180.00                              | 1 K                        | 1.020                             | 0.36                     |
| CD73-221K           | 220.00                              | 1 K                        | 1.200                             | 0.31                     |
| CD73-271K           | 270.00                              | 1 K                        | 1.310                             | 0.29                     |

# SPECIFICATION FOR APPROVAL

RoHS  
COMPLIANT

Product Series Code

CD - Series

SMD Drum Core Power Choke



| Part Number<br>產品料號 | Inductance<br>( $\mu$ H)<br>電感值 (L) | Test Freq.<br>(Hz)<br>測試頻率 | DCR ( $\Omega$ )<br>(max)<br>直流阻抗 | IDC (A)<br>(max)<br>定格電流 |
|---------------------|-------------------------------------|----------------------------|-----------------------------------|--------------------------|
| CD73-331K           | 330.00                              | 1 K                        | 1.500                             | 0.28                     |
| CD73-391K           | 390.00                              | 1 K                        | 1.800                             | 0.26                     |
| CD73-471K           | 470.00                              | 1 K                        | 1.950                             | 0.23                     |
| CD73-561K           | 560.00                              | 1 K                        | 2.300                             | 0.21                     |
| CD73-681K           | 680.00                              | 1 K                        | 2.700                             | 0.13                     |
| CD73-821K           | 820.00                              | 1 K                        | 3.200                             | 0.11                     |
| CD73-102K           | 1000.00                             | 1 K                        | 3.800                             | 0.08                     |

## ELECTRICAL CHARACTERISTICS FOR CD75 SERIES

| Part Number<br>產品料號 | Inductance<br>( $\mu$ H)<br>電感值 (L) | Test Freq.<br>(Hz)<br>測試頻率 | DCR ( $\Omega$ )<br>(max)<br>直流阻抗 | IDC (A)<br>(max)<br>定格電流 |
|---------------------|-------------------------------------|----------------------------|-----------------------------------|--------------------------|
| CD75-100K           | 10.00                               | 2.52 M                     | 0.070                             | 2.30                     |
| CD75-120K           | 12.00                               | 2.52 M                     | 0.080                             | 2.00                     |
| CD75-150K           | 15.00                               | 2.52 M                     | 0.090                             | 1.80                     |
| CD75-180K           | 18.00                               | 2.52 M                     | 0.100                             | 1.60                     |
| CD75-220K           | 22.00                               | 2.52 M                     | 0.110                             | 1.50                     |
| CD75-270K           | 27.00                               | 2.52 M                     | 0.120                             | 1.30                     |
| CD75-330K           | 33.00                               | 2.52 M                     | 0.130                             | 1.20                     |
| CD75-390K           | 39.00                               | 2.52 M                     | 0.160                             | 1.10                     |
| CD75-470K           | 47.00                               | 2.52 M                     | 0.180                             | 1.10                     |
| CD75-560K           | 56.00                               | 2.52 M                     | 0.240                             | 0.94                     |
| CD75-680K           | 68.00                               | 2.52 M                     | 0.280                             | 0.85                     |
| CD75-820K           | 82.00                               | 2.52 M                     | 0.370                             | 0.78                     |
| CD75-101K           | 100.00                              | 1 K                        | 0.430                             | 0.72                     |
| CD75-121K           | 120.00                              | 1 K                        | 0.470                             | 0.66                     |
| CD75-151K           | 150.00                              | 1 K                        | 0.640                             | 0.58                     |
| CD75-181K           | 180.00                              | 1 K                        | 0.710                             | 0.51                     |
| CD75-221K           | 220.00                              | 1 K                        | 0.960                             | 0.49                     |
| CD75-271K           | 270.00                              | 1 K                        | 1.110                             | 0.42                     |
| CD75-331K           | 330.00                              | 1 K                        | 1.260                             | 0.40                     |
| CD75-391K           | 390.00                              | 1 K                        | 1.770                             | 0.36                     |
| CD75-471K           | 470.00                              | 1 K                        | 1.960                             | 0.34                     |
| CD75-561K           | 560.00                              | 1 K                        | 2.000                             | 0.33                     |
| CD75-681K           | 680.00                              | 1 K                        | 2.200                             | 0.32                     |
| CD75-821K           | 820.00                              | 1 K                        | 2.900                             | 0.25                     |
| CD75-102K           | 1000.00                             | 1 K                        | 3.900                             | 0.20                     |



# SPECIFICATION FOR APPROVAL

RoHS  
COMPLIANT

Product Series Code

CD - Series

SMD Drum Core Power Choke



## ELECTRICAL CHARACTERISTICS FOR CD104 SERIES

| Part Number<br>產品料號 | Inductance<br>( $\mu$ H)<br>電感值(L) | Test Freq.<br>(Hz)<br>測試頻率 | DCR ( $\Omega$ )<br>(max)<br>直流阻抗 | IDC (A)<br>(max)<br>定格電流 |
|---------------------|------------------------------------|----------------------------|-----------------------------------|--------------------------|
| CD104-100K          | 10.00                              | 2.52 M                     | 0.053                             | 2.38                     |
| CD104-120K          | 12.00                              | 2.52 M                     | 0.061                             | 2.13                     |
| CD104-150K          | 15.00                              | 2.52 M                     | 0.070                             | 1.87                     |
| CD104-180K          | 18.00                              | 2.52 M                     | 0.081                             | 1.73                     |
| CD104-220K          | 22.00                              | 2.52 M                     | 0.088                             | 1.60                     |
| CD104-270K          | 27.00                              | 2.52 M                     | 0.100                             | 1.44                     |
| CD104-330K          | 33.00                              | 2.52 M                     | 0.120                             | 1.26                     |
| CD104-390K          | 39.00                              | 2.52 M                     | 0.151                             | 1.20                     |
| CD104-470K          | 47.00                              | 2.52 M                     | 0.170                             | 1.10                     |
| CD104-560K          | 56.00                              | 2.52 M                     | 0.199                             | 1.01                     |
| CD104-680K          | 68.00                              | 2.52 M                     | 0.223                             | 0.91                     |
| CD104-820K          | 82.00                              | 2.52 M                     | 0.252                             | 0.85                     |
| CD104-101K          | 100.00                             | 1 K                        | 0.344                             | 0.74                     |
| CD104-121K          | 120.00                             | 1 K                        | 0.396                             | 0.69                     |
| CD104-151K          | 150.00                             | 1 K                        | 0.544                             | 0.61                     |
| CD104-181K          | 180.00                             | 1 K                        | 0.621                             | 0.56                     |
| CD104-221K          | 220.00                             | 1 K                        | 0.721                             | 0.53                     |
| CD104-271K          | 270.00                             | 1 K                        | 0.949                             | 0.45                     |
| CD104-331K          | 330.00                             | 1 K                        | 1.100                             | 0.42                     |
| CD104-391K          | 390.00                             | 1 K                        | 1.245                             | 0.38                     |
| CD104-471K          | 470.00                             | 1 K                        | 1.526                             | 0.35                     |
| CD104-561K          | 560.00                             | 1 K                        | 1.904                             | 0.32                     |
| CD104-681K          | 680.00                             | 1 K                        | 2.200                             | 0.31                     |
| CD104-821K          | 820.00                             | 1 K                        | 2.700                             | 0.30                     |
| CD104-102K          | 1000.00                            | 1 K                        | 3.500                             | 0.29                     |

# SPECIFICATION FOR APPROVAL

RoHS  
COMPLIANT

Product Series Code

CD - Series

SMD Drum Core Power Choke



## ELECTRICAL CHARACTERISTICS FOR CD105 SERIES

| Part Number<br>產品料號 | Inductance<br>( $\mu$ H)<br>電感值 (L) | Test Freq.<br>(Hz)<br>測試頻率 | DCR ( $\Omega$ )<br>(max)<br>直流阻抗 | IDC (A)<br>(max)<br>定格電流 |
|---------------------|-------------------------------------|----------------------------|-----------------------------------|--------------------------|
| CD105-100K          | 10.00                               | 2.52 M                     | 0.060                             | 2.60                     |
| CD105-120K          | 12.00                               | 2.52 M                     | 0.070                             | 2.45                     |
| CD105-150K          | 15.00                               | 2.52 M                     | 0.080                             | 2.27                     |
| CD105-180K          | 18.00                               | 2.52 M                     | 0.090                             | 2.15                     |
| CD105-220K          | 22.00                               | 2.52 M                     | 0.100                             | 1.95                     |
| CD105-270K          | 27.00                               | 2.52 M                     | 0.110                             | 1.76                     |
| CD105-330K          | 33.00                               | 2.52 M                     | 0.120                             | 1.50                     |
| CD105-390K          | 39.00                               | 2.52 M                     | 0.140                             | 1.37                     |
| CD105-470K          | 47.00                               | 2.52 M                     | 0.170                             | 1.28                     |
| CD105-560K          | 56.00                               | 2.52 M                     | 0.190                             | 1.17                     |
| CD105-680K          | 68.00                               | 2.52 M                     | 0.220                             | 1.11                     |
| CD105-820K          | 82.00                               | 2.52 M                     | 0.250                             | 1.00                     |
| CD105-101K          | 100.00                              | 1 K                        | 0.350                             | 0.97                     |
| CD105-121K          | 120.00                              | 1 K                        | 0.400                             | 0.89                     |
| CD105-151K          | 150.00                              | 1 K                        | 0.470                             | 0.78                     |
| CD105-181K          | 180.00                              | 1 K                        | 0.630                             | 0.72                     |
| CD105-221K          | 220.00                              | 1 K                        | 0.730                             | 0.66                     |
| CD105-271K          | 270.00                              | 1 K                        | 0.970                             | 0.57                     |
| CD105-331K          | 330.00                              | 1 K                        | 1.150                             | 0.52                     |
| CD105-391K          | 390.00                              | 1 K                        | 1.300                             | 0.48                     |
| CD105-471K          | 470.00                              | 1 K                        | 1.480                             | 0.42                     |
| CD105-561K          | 560.00                              | 1 K                        | 1.900                             | 0.33                     |
| CD105-681K          | 680.00                              | 1 K                        | 2.250                             | 0.28                     |
| CD105-821K          | 820.00                              | 1 K                        | 2.550                             | 0.24                     |
| CD105-102K          | 1000.00                             | 1 K                        | 3.000                             | 0.20                     |
| CD106-220K          | 22.00                               | 2.52                       | 0.075                             | 2.0                      |