

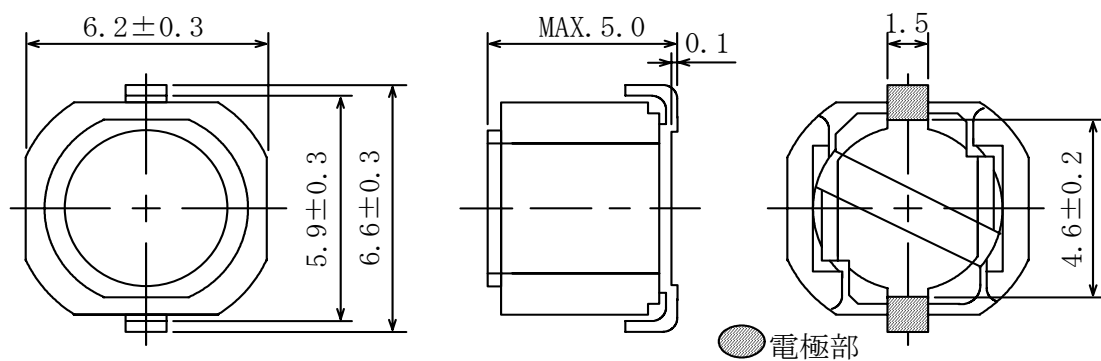
# 仕様書

形 名

CDRH64

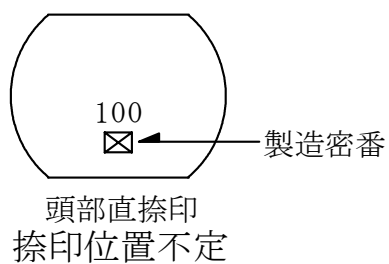
## 1. 外形

### 1-1. 寸法図(mm)

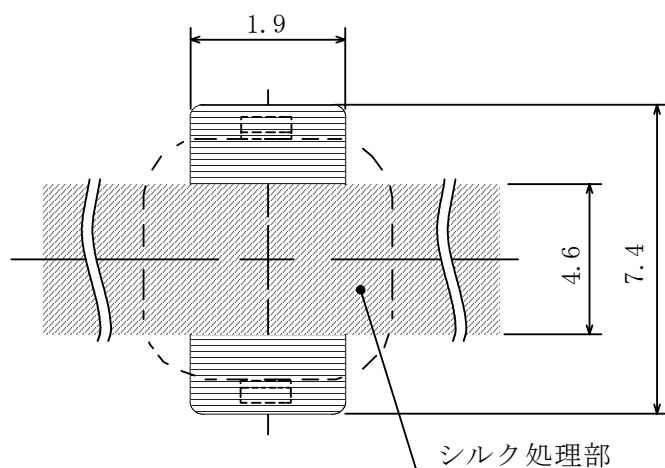


\* 公差のない寸法は参考値とする。

### 1-2. 捺印表示例

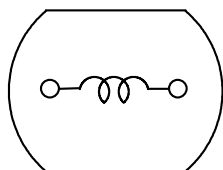


### 1-3. 推奨ランド寸法 (mm)



## 2. コイル仕様

### 2-1. 端子接続図(裏面図)



電極（端子）間の隙間はシルク処理をして御使用下さい。

RoHS

compliance

Cd:Max. 0.01wt%

others:Max. 0.1wt%



# 仕 様 書

形 名

CDRH64

## 2-2. 電気的特性 I (リール梱包の場合)

| NO. | 品 名            | 表示  | インダクタンス<br>[以内]<br>※1 | D. C. R.<br>( $\Omega$ ) [以下]<br>(at 20℃) ※2 | 定格電流<br>(A)<br>※3 | スミダ<br>コード |
|-----|----------------|-----|-----------------------|----------------------------------------------|-------------------|------------|
| 01  | CDRH64NP-100MC | 100 | 10 $\mu$ H $\pm$ 20%  | 0.11 (84m)                                   | 1.68              | 4732-0013  |
| 02  | CDRH64NP-120MC | 120 | 12 $\mu$ H $\pm$ 20%  | 0.13 (96m)                                   | 1.51              | 4732-0015  |
| 03  | CDRH64NP-150MC | 150 | 15 $\mu$ H $\pm$ 20%  | 0.14 (0.11)                                  | 1.32              | 4732-0016  |
| 04  | CDRH64NP-180MC | 180 | 18 $\mu$ H $\pm$ 20%  | 0.16 (0.12)                                  | 1.18              | 4732-0017  |
| 05  | CDRH64NP-220MC | 220 | 22 $\mu$ H $\pm$ 20%  | 0.21 (0.16)                                  | 1.06              | 4732-0018  |
| 06  | CDRH64NP-270MC | 270 | 27 $\mu$ H $\pm$ 20%  | 0.29 (0.23)                                  | 0.95              | 4732-0019  |
| 07  | CDRH64NP-330MC | 330 | 33 $\mu$ H $\pm$ 20%  | 0.33 (0.25)                                  | 0.88              | 4732-0020  |
| 08  | CDRH64NP-390MC | 390 | 39 $\mu$ H $\pm$ 20%  | 0.35 (0.27)                                  | 0.77              | 4732-0021  |
| 09  | CDRH64NP-470MC | 470 | 47 $\mu$ H $\pm$ 20%  | 0.39 (0.30)                                  | 0.76              | 4732-0022  |
| 10  | CDRH64NP-560MC | 560 | 56 $\mu$ H $\pm$ 20%  | 0.43 (0.34)                                  | 0.67              | 4732-0023  |
| 11  | CDRH64NP-680MC | 680 | 68 $\mu$ H $\pm$ 20%  | 0.59 (0.46)                                  | 0.60              | 4732-0024  |
| 12  | CDRH64NP-820MC | 820 | 82 $\mu$ H $\pm$ 20%  | 0.66 (0.51)                                  | 0.57              | 4732-0026  |
| 13  | CDRH64NP-101MC | 101 | 100 $\mu$ H $\pm$ 20% | 0.76 (0.58)                                  | 0.50              | 4732-0027  |
| 14  | CDRH64NP-121MC | 121 | 120 $\mu$ H $\pm$ 20% | 0.83 (0.64)                                  | 0.47              | 4732-0028  |
| 15  | CDRH64NP-151MC | 151 | 150 $\mu$ H $\pm$ 20% | 1.24 (0.96)                                  | 0.42              | 4732-0029  |
| 16  | CDRH64NP-181MC | 181 | 180 $\mu$ H $\pm$ 20% | 1.89 (1.51)                                  | 0.37              | 4732-0030  |
| 17  | CDRH64NP-221MC | 221 | 220 $\mu$ H $\pm$ 20% | 2.10 (1.68)                                  | 0.34              | 4732-0031  |
| 18  | CDRH64NP-271MC | 271 | 270 $\mu$ H $\pm$ 20% | 2.37 (1.90)                                  | 0.31              | 4732-0032  |
| 19  | CDRH64NP-331MC | 331 | 330 $\mu$ H $\pm$ 20% | 2.66 (2.13)                                  | 0.27              | 4732-0033  |
| 20  | CDRH64NP-391MC | 391 | 390 $\mu$ H $\pm$ 20% | 2.94 (2.35)                                  | 0.26              | 4732-0034  |
| 21  | CDRH64NP-471MC | 471 | 470 $\mu$ H $\pm$ 20% | 3.89 (3.11)                                  | 0.24              | 4732-0035  |
| 22  | CDRH64NP-561MC | 561 | 560 $\mu$ H $\pm$ 20% | 5.25 (4.20)                                  | 0.21              | 4732-0037  |
| 23  | CDRH64NP-681MC | 681 | 680 $\mu$ H $\pm$ 20% | 5.97 (4.78)                                  | 0.18              | 4732-0038  |
| 24  | CDRH64NP-821MC | 821 | 820 $\mu$ H $\pm$ 20% | 6.54 (5.23)                                  | 0.17              | 4732-0039  |
| 25  | CDRH64NP-102MC | 102 | 1.0 mH $\pm$ 20%      | 8.94 (7.15)                                  | 0.16              | 4732-0040  |

※1: 測定周波数 L at 1 kHz

※2: ( )内は、標準値とする。

※3: 定格電流は直流重畳特性に於て、インダクタンスが公称値より-30%となる電流もしくは直流電流を流した時のコイルの発熱が $\Delta t=40^{\circ}\text{C}$ となる電流値の少ない方の値。(Ta=20℃を基準とする。)

# 仕 様 書

|        |
|--------|
| 形 名    |
| CDRH64 |

## 2-3. 電氣的特性Ⅱ (箱梱包の場合)

| NO. | 品 名            | 表示  | インダクタンス<br>[以内]<br>※1 | D. C. R.<br>( $\Omega$ ) [以下]<br>(at 20℃) ※2 | 定格電流<br>(A)<br>※3 | スミダ<br>コード |
|-----|----------------|-----|-----------------------|----------------------------------------------|-------------------|------------|
| 26  | CDRH64NP-100MB | 100 | 10 $\mu$ H $\pm$ 20%  | 0.11 (84m)                                   | 1.68              | 4732-0041  |
| 27  | CDRH64NP-120MB | 120 | 12 $\mu$ H $\pm$ 20%  | 0.13 (96m)                                   | 1.51              | 4732-0042  |
| 28  | CDRH64NP-150MB | 150 | 15 $\mu$ H $\pm$ 20%  | 0.14 (0.11)                                  | 1.32              | 4732-0043  |
| 29  | CDRH64NP-180MB | 180 | 18 $\mu$ H $\pm$ 20%  | 0.16 (0.12)                                  | 1.18              | 4732-0044  |
| 30  | CDRH64NP-220MB | 220 | 22 $\mu$ H $\pm$ 20%  | 0.21 (0.16)                                  | 1.06              | 4732-0045  |
| 31  | CDRH64NP-270MB | 270 | 27 $\mu$ H $\pm$ 20%  | 0.29 (0.23)                                  | 0.95              | 4732-0046  |
| 32  | CDRH64NP-330MB | 330 | 33 $\mu$ H $\pm$ 20%  | 0.33 (0.25)                                  | 0.88              | 4732-0048  |
| 33  | CDRH64NP-390MB | 390 | 39 $\mu$ H $\pm$ 20%  | 0.35 (0.27)                                  | 0.77              | 4732-0049  |
| 34  | CDRH64NP-470MB | 470 | 47 $\mu$ H $\pm$ 20%  | 0.39 (0.30)                                  | 0.76              | 4732-0050  |
| 35  | CDRH64NP-560MB | 560 | 56 $\mu$ H $\pm$ 20%  | 0.43 (0.34)                                  | 0.67              | 4732-0051  |
| 36  | CDRH64NP-680MB | 680 | 68 $\mu$ H $\pm$ 20%  | 0.59 (0.46)                                  | 0.60              | 4732-0052  |
| 37  | CDRH64NP-820MB | 820 | 82 $\mu$ H $\pm$ 20%  | 0.66 (0.51)                                  | 0.57              | 4732-0053  |
| 38  | CDRH64NP-101MB | 101 | 100 $\mu$ H $\pm$ 20% | 0.76 (0.58)                                  | 0.50              | 4732-0054  |
| 39  | CDRH64NP-121MB | 121 | 120 $\mu$ H $\pm$ 20% | 0.83 (0.64)                                  | 0.47              | 4732-0055  |
| 40  | CDRH64NP-151MB | 151 | 150 $\mu$ H $\pm$ 20% | 1.24 (0.96)                                  | 0.42              | 4732-0056  |
| 41  | CDRH64NP-181MB | 181 | 180 $\mu$ H $\pm$ 20% | 1.89 (1.51)                                  | 0.37              | 4732-0057  |
| 42  | CDRH64NP-221MB | 221 | 220 $\mu$ H $\pm$ 20% | 2.10 (1.68)                                  | 0.34              | 4732-0059  |
| 43  | CDRH64NP-271MB | 271 | 270 $\mu$ H $\pm$ 20% | 2.37 (1.90)                                  | 0.31              | 4732-0060  |
| 44  | CDRH64NP-331MB | 331 | 330 $\mu$ H $\pm$ 20% | 2.66 (2.13)                                  | 0.27              | 4732-0061  |
| 45  | CDRH64NP-391MB | 391 | 390 $\mu$ H $\pm$ 20% | 2.94 (2.35)                                  | 0.26              | 4732-0062  |
| 46  | CDRH64NP-471MB | 471 | 470 $\mu$ H $\pm$ 20% | 3.89 (3.11)                                  | 0.24              | 4732-0063  |
| 47  | CDRH64NP-561MB | 561 | 560 $\mu$ H $\pm$ 20% | 5.25 (4.20)                                  | 0.21              | 4732-0064  |
| 48  | CDRH64NP-681MB | 681 | 680 $\mu$ H $\pm$ 20% | 5.97 (4.78)                                  | 0.18              | 4732-0065  |
| 49  | CDRH64NP-821MB | 821 | 820 $\mu$ H $\pm$ 20% | 6.54 (5.23)                                  | 0.17              | 4732-0066  |
| 50  | CDRH64NP-102MB | 102 | 1.0 mH $\pm$ 20%      | 8.94 (7.15)                                  | 0.16              | 4732-0067  |

※1: 測定周波数 L at 1 kHz

※2: ( )内は、標準値とする。

※3: 定格電流は直流重畳特性に於て、インダクタンスが公称値より-30%となる電流もしくは直流電流を流した時のコイルの発熱が $\Delta t=40^{\circ}\text{C}$ となる電流値の少ない方の値。(Ta=20℃を基準とする。)

3. 使用温度範囲: -40 ~ +100 (コイルの発熱を含む。)

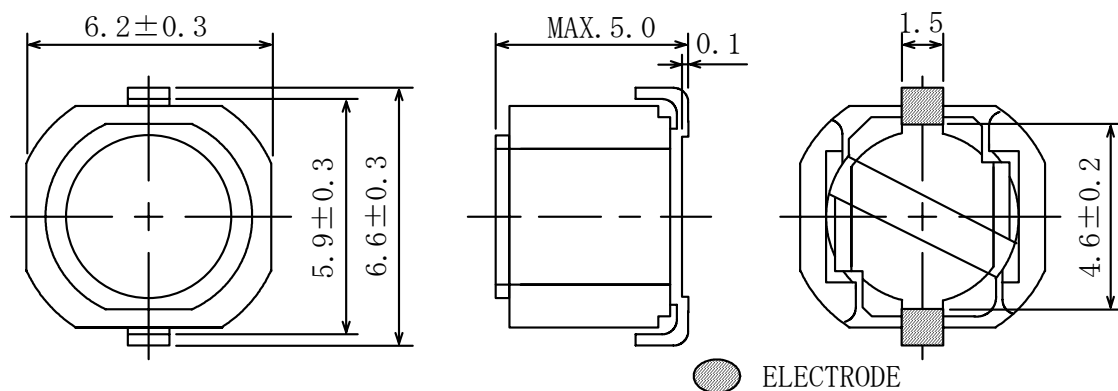
保存温度範囲: -40 ~ +100 .

# SPECIFICATION

TYPE  
CDRH64

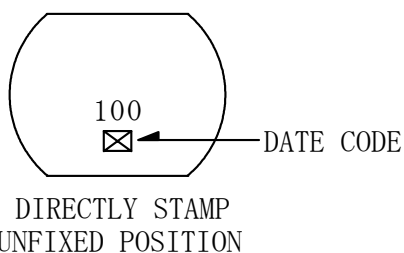
## 1. APPEARANCE

### 1-1. DIMENSIONS (mm)

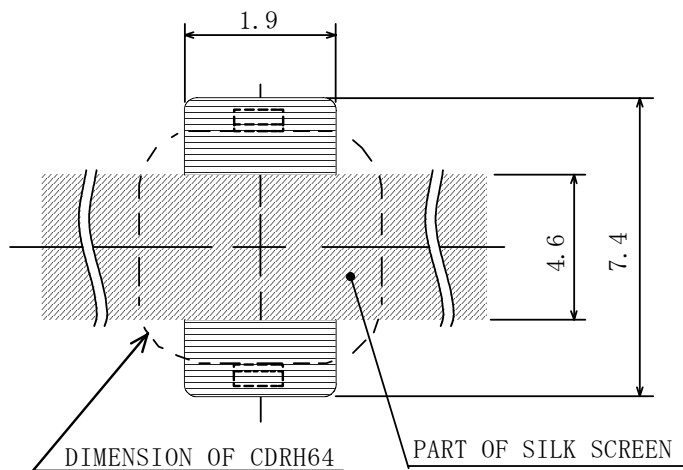


\* DIMENSIONS WITHOUT TOLERANCE ARE APPROX.

### 1-2. STAMP (E. G.)

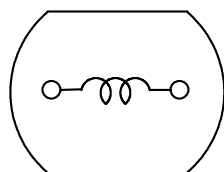


### 1-3. DIMENSION RECOMMENDED (mm)



## 2. COIL SPECIFICATION

### 2-1. CONNECTION (BOTTOM VIEW)



PLEASE COAT WITH SILK SCREEN BETWEEN THE TWO TERMINALS.

RoHS

compliance

Cd:Max. 0.01wt%

others:Max. 0.1wt%



# SPECIFICATION

TYPE  
CDRH64

## 2-2. ELECTRICAL CHARACTERISTICS I (IN THE CASE OF REEL)

| NO. | PART NO        | STAMP | INDUCTANCE<br>[WITHIN]<br>※1 | D. C. R.<br>( $\Omega$ ) [MAX. ]<br>(at 20°C)<br>(TYPICAL VALUE) | RATED<br>CURRENT<br>(A)<br>※2 | SUMIDA<br>CODE |
|-----|----------------|-------|------------------------------|------------------------------------------------------------------|-------------------------------|----------------|
| 01  | CDRH64NP-100MC | 100   | 10 $\mu$ H $\pm$ 20%         | 0.11 (84m)                                                       | 1.68                          | 4732-0013      |
| 02  | CDRH64NP-120MC | 120   | 12 $\mu$ H $\pm$ 20%         | 0.13 (96m)                                                       | 1.51                          | 4732-0015      |
| 03  | CDRH64NP-150MC | 150   | 15 $\mu$ H $\pm$ 20%         | 0.14 (0.11)                                                      | 1.32                          | 4732-0016      |
| 04  | CDRH64NP-180MC | 180   | 18 $\mu$ H $\pm$ 20%         | 0.16 (0.12)                                                      | 1.18                          | 4732-0017      |
| 05  | CDRH64NP-220MC | 220   | 22 $\mu$ H $\pm$ 20%         | 0.21 (0.16)                                                      | 1.06                          | 4732-0018      |
| 06  | CDRH64NP-270MC | 270   | 27 $\mu$ H $\pm$ 20%         | 0.29 (0.23)                                                      | 0.95                          | 4732-0019      |
| 07  | CDRH64NP-330MC | 330   | 33 $\mu$ H $\pm$ 20%         | 0.33 (0.25)                                                      | 0.88                          | 4732-0020      |
| 08  | CDRH64NP-390MC | 390   | 39 $\mu$ H $\pm$ 20%         | 0.35 (0.27)                                                      | 0.77                          | 4732-0021      |
| 09  | CDRH64NP-470MC | 470   | 47 $\mu$ H $\pm$ 20%         | 0.39 (0.30)                                                      | 0.76                          | 4732-0022      |
| 10  | CDRH64NP-560MC | 560   | 56 $\mu$ H $\pm$ 20%         | 0.43 (0.34)                                                      | 0.67                          | 4732-0023      |
| 11  | CDRH64NP-680MC | 680   | 68 $\mu$ H $\pm$ 20%         | 0.59 (0.46)                                                      | 0.60                          | 4732-0024      |
| 12  | CDRH64NP-820MC | 820   | 82 $\mu$ H $\pm$ 20%         | 0.66 (0.51)                                                      | 0.57                          | 4732-0026      |
| 13  | CDRH64NP-101MC | 101   | 100 $\mu$ H $\pm$ 20%        | 0.76 (0.58)                                                      | 0.50                          | 4732-0027      |
| 14  | CDRH64NP-121MC | 121   | 120 $\mu$ H $\pm$ 20%        | 0.83 (0.64)                                                      | 0.47                          | 4732-0028      |
| 15  | CDRH64NP-151MC | 151   | 150 $\mu$ H $\pm$ 20%        | 1.24 (0.96)                                                      | 0.42                          | 4732-0029      |
| 16  | CDRH64NP-181MC | 181   | 180 $\mu$ H $\pm$ 20%        | 1.89 (1.51)                                                      | 0.37                          | 4732-0030      |
| 17  | CDRH64NP-221MC | 221   | 220 $\mu$ H $\pm$ 20%        | 2.10 (1.68)                                                      | 0.34                          | 4732-0031      |
| 18  | CDRH64NP-271MC | 271   | 270 $\mu$ H $\pm$ 20%        | 2.37 (1.90)                                                      | 0.31                          | 4732-0032      |
| 19  | CDRH64NP-331MC | 331   | 330 $\mu$ H $\pm$ 20%        | 2.66 (2.13)                                                      | 0.27                          | 4732-0033      |
| 20  | CDRH64NP-391MC | 391   | 390 $\mu$ H $\pm$ 20%        | 2.94 (2.35)                                                      | 0.26                          | 4732-0034      |
| 21  | CDRH64NP-471MC | 471   | 470 $\mu$ H $\pm$ 20%        | 3.89 (3.11)                                                      | 0.24                          | 4732-0035      |
| 22  | CDRH64NP-561MC | 561   | 560 $\mu$ H $\pm$ 20%        | 5.25 (4.20)                                                      | 0.21                          | 4732-0037      |
| 23  | CDRH64NP-681MC | 681   | 680 $\mu$ H $\pm$ 20%        | 5.97 (4.78)                                                      | 0.18                          | 4732-0038      |
| 24  | CDRH64NP-821MC | 821   | 820 $\mu$ H $\pm$ 20%        | 6.54 (5.23)                                                      | 0.17                          | 4732-0039      |
| 25  | CDRH64NP-102MC | 102   | 1.0 mH $\pm$ 20%             | 8.94 (7.15)                                                      | 0.16                          | 4732-0040      |

※1: MEASURED FREQUENCY L at 1 kHz

※2: THIS INDICATES THE VALUE OF CURRENT WHEN THE INDUCTANCE IS 70% LOWER THAN ITS NOMINAL VALUE AT D.C. SUPERPOSITION OR D.C. CURRENT WHEN  $\Delta T=40^{\circ}\text{C}$  WHICHEVER IS LOWER. ( $T_a=20^{\circ}\text{C}$ )

# SPECIFICATION

TYPE  
CDRH64

## 2-3. ELECTRICAL CHARACTERISTICS II (IN THE CASE OF BOX)

| NO. | PART NO        | STAMP | INDUCTANCE<br>[WITHIN]<br>※1 | D. C. R.<br>( $\Omega$ ) [MAX. ]<br>(at 20°C)<br>(TYPICAL VALUE) | RATED<br>CURRENT<br>(A)<br>※2 | SUMIDA<br>CODE |
|-----|----------------|-------|------------------------------|------------------------------------------------------------------|-------------------------------|----------------|
| 26  | CDRH64NP-100MB | 100   | 10 $\mu$ H $\pm$ 20%         | 0.11 (84m)                                                       | 1.68                          | 4732-0041      |
| 27  | CDRH64NP-120MB | 120   | 12 $\mu$ H $\pm$ 20%         | 0.13 (96m)                                                       | 1.51                          | 4732-0042      |
| 28  | CDRH64NP-150MB | 150   | 15 $\mu$ H $\pm$ 20%         | 0.14 (0.11)                                                      | 1.32                          | 4732-0043      |
| 29  | CDRH64NP-180MB | 180   | 18 $\mu$ H $\pm$ 20%         | 0.16 (0.12)                                                      | 1.18                          | 4732-0044      |
| 30  | CDRH64NP-220MB | 220   | 22 $\mu$ H $\pm$ 20%         | 0.21 (0.16)                                                      | 1.06                          | 4732-0045      |
| 31  | CDRH64NP-270MB | 270   | 27 $\mu$ H $\pm$ 20%         | 0.29 (0.23)                                                      | 0.95                          | 4732-0046      |
| 32  | CDRH64NP-330MB | 330   | 33 $\mu$ H $\pm$ 20%         | 0.33 (0.25)                                                      | 0.88                          | 4732-0048      |
| 33  | CDRH64NP-390MB | 390   | 39 $\mu$ H $\pm$ 20%         | 0.35 (0.27)                                                      | 0.77                          | 4732-0049      |
| 34  | CDRH64NP-470MB | 470   | 47 $\mu$ H $\pm$ 20%         | 0.39 (0.30)                                                      | 0.76                          | 4732-0050      |
| 35  | CDRH64NP-560MB | 560   | 56 $\mu$ H $\pm$ 20%         | 0.43 (0.34)                                                      | 0.67                          | 4732-0051      |
| 36  | CDRH64NP-680MB | 680   | 68 $\mu$ H $\pm$ 20%         | 0.59 (0.46)                                                      | 0.60                          | 4732-0052      |
| 37  | CDRH64NP-820MB | 820   | 82 $\mu$ H $\pm$ 20%         | 0.66 (0.51)                                                      | 0.57                          | 4732-0053      |
| 38  | CDRH64NP-101MB | 101   | 100 $\mu$ H $\pm$ 20%        | 0.76 (0.58)                                                      | 0.50                          | 4732-0054      |
| 39  | CDRH64NP-121MB | 121   | 120 $\mu$ H $\pm$ 20%        | 0.83 (0.64)                                                      | 0.47                          | 4732-0055      |
| 40  | CDRH64NP-151MB | 151   | 150 $\mu$ H $\pm$ 20%        | 1.24 (0.96)                                                      | 0.42                          | 4732-0056      |
| 41  | CDRH64NP-181MB | 181   | 180 $\mu$ H $\pm$ 20%        | 1.89 (1.51)                                                      | 0.37                          | 4732-0057      |
| 42  | CDRH64NP-221MB | 221   | 220 $\mu$ H $\pm$ 20%        | 2.10 (1.68)                                                      | 0.34                          | 4732-0059      |
| 43  | CDRH64NP-271MB | 271   | 270 $\mu$ H $\pm$ 20%        | 2.37 (1.90)                                                      | 0.31                          | 4732-0060      |
| 44  | CDRH64NP-331MB | 331   | 330 $\mu$ H $\pm$ 20%        | 2.66 (2.13)                                                      | 0.27                          | 4732-0061      |
| 45  | CDRH64NP-391MB | 391   | 390 $\mu$ H $\pm$ 20%        | 2.94 (2.35)                                                      | 0.26                          | 4732-0062      |
| 46  | CDRH64NP-471MB | 471   | 470 $\mu$ H $\pm$ 20%        | 3.89 (3.11)                                                      | 0.24                          | 4732-0063      |
| 47  | CDRH64NP-561MB | 561   | 560 $\mu$ H $\pm$ 20%        | 5.25 (4.20)                                                      | 0.21                          | 4732-0064      |
| 48  | CDRH64NP-681MB | 681   | 680 $\mu$ H $\pm$ 20%        | 5.97 (4.78)                                                      | 0.18                          | 4732-0065      |
| 49  | CDRH64NP-821MB | 821   | 820 $\mu$ H $\pm$ 20%        | 6.54 (5.23)                                                      | 0.17                          | 4732-0066      |
| 50  | CDRH64NP-102MB | 102   | 1.0 mH $\pm$ 20%             | 8.94 (7.15)                                                      | 0.16                          | 4732-0067      |

※1: MEASURED FREQUENCY L at 1 kHz

※2: THIS INDICATES THE VALUE OF CURRENT WHEN THE INDUCTANCE IS 70% LOWER THAN ITS NOMINAL VALUE AT D.C. SUPERPOSITION OR D.C. CURRENT WHEN  $\Delta T=40^{\circ}\text{C}$  WHICHEVER IS LOWER. ( $T_a=20^{\circ}\text{C}$ )

3. STORAGE TEMPERATURE RANGE:  $-40^{\circ}\text{C} \sim +100^{\circ}\text{C}$

OPERATING TEMPERATURE RANGE:  $-40^{\circ}\text{C} \sim +100^{\circ}\text{C}$  (INCLUDING SELF TEMPERATURE RISE)