

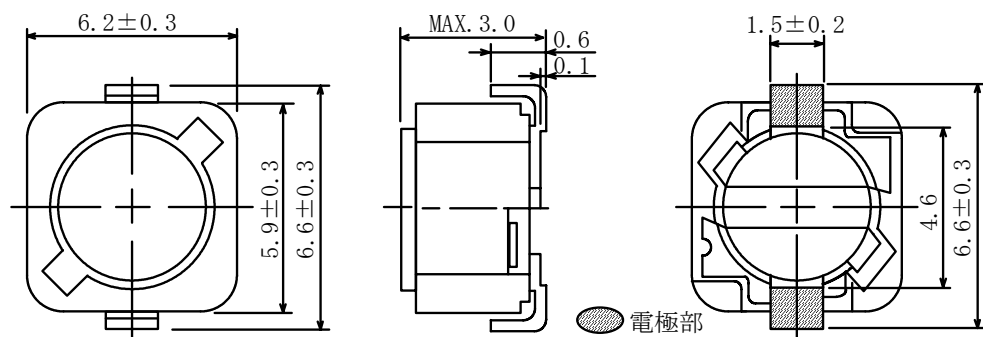
# 仕様書

形 名

CDRH62B

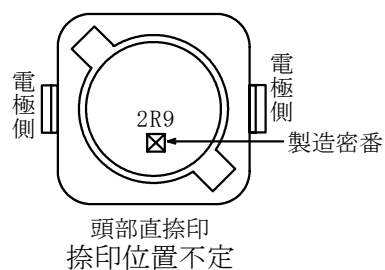
## 1. 外形

### 1-1. 寸法図 (mm)

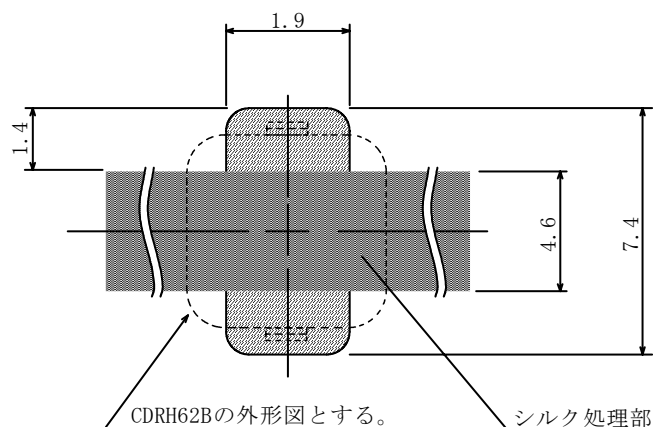


\* 公差のない寸法は参考値とする。

### 1-2. 捺印表示例

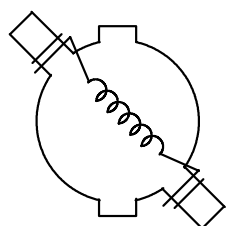


### 1-3. 推奨ランド図 (mm)



## 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     |
| CDRH62B |

## 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°C) ※2 | 定格電流<br>(A)<br>※3 | スミダ<br>コード |
|-----|-----------------|-----|----------------------------|-----------------------------------------------|-------------------|------------|
| 01  | CDRH62BNP-2R9NC | 2R9 | 2.9 $\mu$ H + 40%<br>- 20% | 68m (50m)                                     | 1.94              | 4742-0305  |
| 02  | CDRH62BNP-4R0NC | 4R0 | 4.0 $\mu$ H + 40%<br>- 20% | 80m (59m)                                     | 1.63              | 4742-0306  |
| 03  | CDRH62BNP-5R5NC | 5R5 | 5.5 $\mu$ H + 40%<br>- 20% | 96m (71m)                                     | 1.40              | 4742-0307  |
| 04  | CDRH62BNP-6R3NC | 6R3 | 6.3 $\mu$ H + 40%<br>- 20% | 0.10 (77m)                                    | 1.30              | 4742-0308  |
| 05  | CDRH62BNP-7R1NC | 7R1 | 7.1 $\mu$ H + 40%<br>- 20% | 0.11 (81m)                                    | 1.22              | 4742-0309  |
| 06  | CDRH62BNP-8R0NC | 8R0 | 8.0 $\mu$ H + 40%<br>- 20% | 0.12 (87m)                                    | 1.15              | 4742-0310  |
| 07  | CDRH62BNP-100MC | 100 | 10 $\mu$ H $\pm$ 20%       | 0.15 (0.11)                                   | 1.10              | 4742-0311  |
| 08  | CDRH62BNP-120MC | 120 | 12 $\mu$ H $\pm$ 20%       | 0.20 (0.15)                                   | 1.00              | 4742-0313  |
| 09  | CDRH62BNP-150MC | 150 | 15 $\mu$ H $\pm$ 20%       | 0.23 (0.17)                                   | 0.90              | 4742-0314  |
| 10  | CDRH62BNP-180MC | 180 | 18 $\mu$ H $\pm$ 20%       | 0.27 (0.20)                                   | 0.80              | 4742-0315  |
| 11  | CDRH62BNP-220MC | 220 | 22 $\mu$ H $\pm$ 20%       | 0.34 (0.25)                                   | 0.74              | 4742-0316  |
| 12  | CDRH62BNP-270MC | 270 | 27 $\mu$ H $\pm$ 20%       | 0.38 (0.29)                                   | 0.66              | 4742-0317  |
| 13  | CDRH62BNP-330MC | 330 | 33 $\mu$ H $\pm$ 20%       | 0.45 (0.33)                                   | 0.59              | 4742-0318  |
| 14  | CDRH62BNP-390MC | 390 | 39 $\mu$ H $\pm$ 20%       | 0.49 (0.37)                                   | 0.54              | 4742-0319  |
| 15  | CDRH62BNP-470MC | 470 | 47 $\mu$ H $\pm$ 20%       | 0.69 (0.51)                                   | 0.50              | 4742-0320  |
| 16  | CDRH62BNP-560MC | 560 | 56 $\mu$ H $\pm$ 20%       | 0.78 (0.58)                                   | 0.46              | 4742-0321  |
| 17  | CDRH62BNP-680MC | 680 | 68 $\mu$ H $\pm$ 20%       | 1.07 (0.83)                                   | 0.42              | 4742-0322  |
| 18  | CDRH62BNP-820MC | 820 | 82 $\mu$ H $\pm$ 20%       | 1.21 (0.93)                                   | 0.38              | 4742-0324  |
| 19  | CDRH62BNP-101MC | 101 | 100 $\mu$ H $\pm$ 20%      | 1.39 (1.07)                                   | 0.34              | 4742-0325  |
| 20  | CDRH62BNP-121MC | 121 | 120 $\mu$ H $\pm$ 20%      | 1.90 (1.46)                                   | 0.31              | 4742-0326  |
| 21  | CDRH62BNP-151MC | 151 | 150 $\mu$ H $\pm$ 20%      | 2.18 (1.68)                                   | 0.28              | 4742-0327  |
| 22  | CDRH62BNP-181MC | 181 | 180 $\mu$ H $\pm$ 20%      | 2.77 (2.13)                                   | 0.26              | 4742-0328  |
| 23  | CDRH62BNP-221MC | 221 | 220 $\mu$ H $\pm$ 20%      | 3.12 (2.40)                                   | 0.23              | 4742-0329  |
| 24  | CDRH62BNP-271MC | 271 | 270 $\mu$ H $\pm$ 20%      | 4.38 (3.37)                                   | 0.22              | 4742-0330  |
| 25  | CDRH62BNP-331MC | 331 | 330 $\mu$ H $\pm$ 20%      | 4.94 (3.80)                                   | 0.19              | 4742-0331  |

# 仕 様 書

|         |
|---------|
| 形 名     |
| CDRH62B |

## 2-3. 電気的特性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°C) ※2 | 定格電流<br>(A)<br>※3 | スミダ<br>コード |
|-----|-----------------|-----|----------------------------|-----------------------------------------------|-------------------|------------|
| 26  | CDRH62BNP-2R9NB | 2R9 | 2.9 $\mu$ H + 40%<br>- 20% | 68m (50m)                                     | 1.94              | 4742-0332  |
| 27  | CDRH62BNP-4R0NB | 4R0 | 4.0 $\mu$ H + 40%<br>- 20% | 80m (59m)                                     | 1.63              | 4742-0333  |
| 28  | CDRH62BNP-5R5NB | 5R5 | 5.5 $\mu$ H + 40%<br>- 20% | 96m (71m)                                     | 1.40              | 4742-0335  |
| 29  | CDRH62BNP-6R3NB | 6R3 | 6.3 $\mu$ H + 40%<br>- 20% | 0.10 (77m)                                    | 1.30              | 4742-0336  |
| 30  | CDRH62BNP-7R1NB | 7R1 | 7.1 $\mu$ H + 40%<br>- 20% | 0.11 (81m)                                    | 1.22              | 4742-0337  |
| 31  | CDRH62BNP-8R0NB | 8R0 | 8.0 $\mu$ H + 40%<br>- 20% | 0.12 (87m)                                    | 1.15              | 4742-0338  |
| 32  | CDRH62BNP-100MB | 100 | 10 $\mu$ H $\pm$ 20%       | 0.15 (0.11)                                   | 1.10              | 4742-0339  |
| 33  | CDRH62BNP-120MB | 120 | 12 $\mu$ H $\pm$ 20%       | 0.20 (0.15)                                   | 1.00              | 4742-0340  |
| 34  | CDRH62BNP-150MB | 150 | 15 $\mu$ H $\pm$ 20%       | 0.23 (0.17)                                   | 0.90              | 4742-0341  |
| 35  | CDRH62BNP-180MB | 180 | 18 $\mu$ H $\pm$ 20%       | 0.27 (0.20)                                   | 0.80              | 4742-0342  |
| 36  | CDRH62BNP-220MB | 220 | 22 $\mu$ H $\pm$ 20%       | 0.34 (0.25)                                   | 0.74              | 4742-0343  |
| 37  | CDRH62BNP-270MB | 270 | 27 $\mu$ H $\pm$ 20%       | 0.38 (0.29)                                   | 0.66              | 4742-0344  |
| 38  | CDRH62BNP-330MB | 330 | 33 $\mu$ H $\pm$ 20%       | 0.45 (0.33)                                   | 0.59              | 4742-0346  |
| 39  | CDRH62BNP-390MB | 390 | 39 $\mu$ H $\pm$ 20%       | 0.49 (0.37)                                   | 0.54              | 4742-0347  |
| 40  | CDRH62BNP-470MB | 470 | 47 $\mu$ H $\pm$ 20%       | 0.69 (0.51)                                   | 0.50              | 4742-0348  |
| 41  | CDRH62BNP-560MB | 560 | 56 $\mu$ H $\pm$ 20%       | 0.78 (0.58)                                   | 0.46              | 4742-0349  |
| 42  | CDRH62BNP-680MB | 680 | 68 $\mu$ H $\pm$ 20%       | 1.07 (0.83)                                   | 0.42              | 4742-0350  |
| 43  | CDRH62BNP-820MB | 820 | 82 $\mu$ H $\pm$ 20%       | 1.21 (0.93)                                   | 0.38              | 4742-0351  |
| 44  | CDRH62BNP-101MB | 101 | 100 $\mu$ H $\pm$ 20%      | 1.39 (1.07)                                   | 0.34              | 4742-0352  |
| 45  | CDRH62BNP-121MB | 121 | 120 $\mu$ H $\pm$ 20%      | 1.90 (1.46)                                   | 0.31              | 4742-0353  |
| 46  | CDRH62BNP-151MB | 151 | 150 $\mu$ H $\pm$ 20%      | 2.18 (1.68)                                   | 0.28              | 4742-0354  |
| 47  | CDRH62BNP-181MB | 181 | 180 $\mu$ H $\pm$ 20%      | 2.77 (2.13)                                   | 0.26              | 4742-0355  |
| 48  | CDRH62BNP-221MB | 221 | 220 $\mu$ H $\pm$ 20%      | 3.12 (2.40)                                   | 0.23              | 4742-0357  |
| 49  | CDRH62BNP-271MB | 271 | 270 $\mu$ H $\pm$ 20%      | 4.38 (3.37)                                   | 0.22              | 4742-0358  |
| 50  | CDRH62BNP-331MB | 331 | 330 $\mu$ H $\pm$ 20%      | 4.94 (3.80)                                   | 0.19              | 4742-0359  |

※1: 測定周波数 L : 2.9  $\mu$  H ~ 8.0  $\mu$  H at 7.96 MHz  
10  $\mu$  H ~ 330  $\mu$  H 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-25%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°Cを基準とする。)

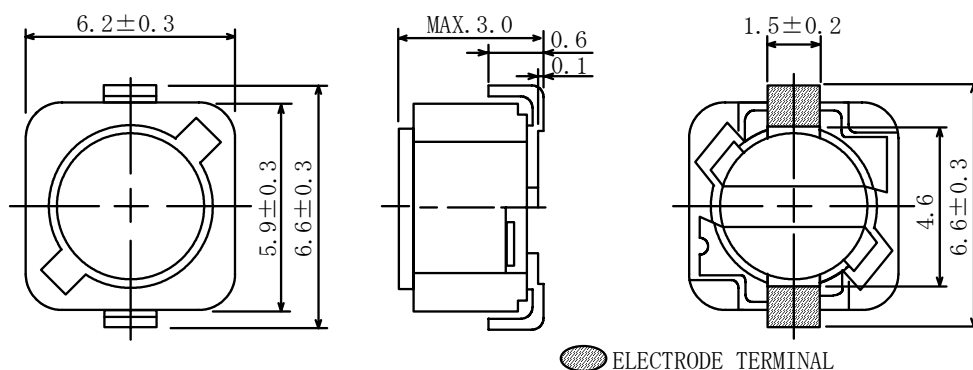
3. 保存温度範囲 -40°C ~ +100°C  
使用温度範囲 -40°C ~ +100°C (コイルの発熱を含む。)

# SPECIFICATION

TYPE  
CDRH62B

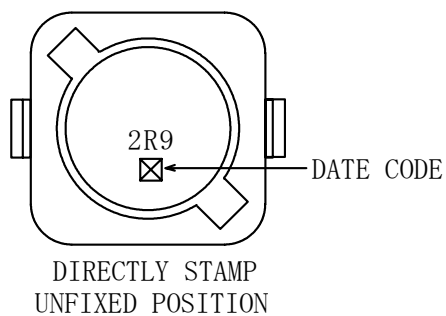
## 1. APPEARANCE

### 1-1. DIMENSIONS (mm)

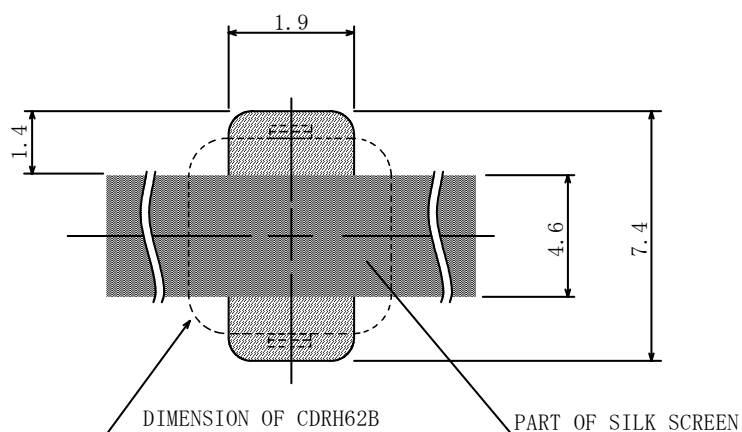


\* DIMENSIONS WITHOUT TOLERANCE ARE APPROX.

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

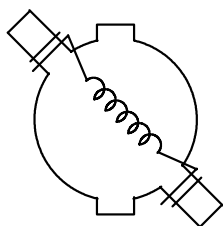


### 1-3. DIMENSION RECOMMENDED (mm)



## 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  
CDRH62B

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

| NO. | PART NAME       | STAMP | INDUCTANCE<br>[WITHIN]<br>※1 | D. C. R.<br>( $\Omega$ ) [MAX. ]<br>(at 20°C) ※2 | RATED<br>CURRENT<br>(A) ※3 | SUMIDA<br>CODE |
|-----|-----------------|-------|------------------------------|--------------------------------------------------|----------------------------|----------------|
| 01  | CDRH62BNP-2R9NC | 2R9   | 2.9 $\mu$ H + 40%<br>- 20%   | 68m (50m)                                        | 1.94                       | 4742-0305      |
| 02  | CDRH62BNP-4R0NC | 4R0   | 4.0 $\mu$ H + 40%<br>- 20%   | 80m (59m)                                        | 1.63                       | 4742-0306      |
| 03  | CDRH62BNP-5R5NC | 5R5   | 5.5 $\mu$ H + 40%<br>- 20%   | 96m (71m)                                        | 1.40                       | 4742-0307      |
| 04  | CDRH62BNP-6R3NC | 6R3   | 6.3 $\mu$ H + 40%<br>- 20%   | 0.10 (77m)                                       | 1.30                       | 4742-0308      |
| 05  | CDRH62BNP-7R1NC | 7R1   | 7.1 $\mu$ H + 40%<br>- 20%   | 0.11 (81m)                                       | 1.22                       | 4742-0309      |
| 06  | CDRH62BNP-8R0NC | 8R0   | 8.0 $\mu$ H + 40%<br>- 20%   | 0.12 (87m)                                       | 1.15                       | 4742-0310      |
| 07  | CDRH62BNP-100MC | 100   | 10 $\mu$ H $\pm$ 20%         | 0.15 (0.11)                                      | 1.10                       | 4742-0311      |
| 08  | CDRH62BNP-120MC | 120   | 12 $\mu$ H $\pm$ 20%         | 0.20 (0.15)                                      | 1.00                       | 4742-0313      |
| 09  | CDRH62BNP-150MC | 150   | 15 $\mu$ H $\pm$ 20%         | 0.23 (0.17)                                      | 0.90                       | 4742-0314      |
| 10  | CDRH62BNP-180MC | 180   | 18 $\mu$ H $\pm$ 20%         | 0.27 (0.20)                                      | 0.80                       | 4742-0315      |
| 11  | CDRH62BNP-220MC | 220   | 22 $\mu$ H $\pm$ 20%         | 0.34 (0.25)                                      | 0.74                       | 4742-0316      |
| 12  | CDRH62BNP-270MC | 270   | 27 $\mu$ H $\pm$ 20%         | 0.38 (0.29)                                      | 0.66                       | 4742-0317      |
| 13  | CDRH62BNP-330MC | 330   | 33 $\mu$ H $\pm$ 20%         | 0.45 (0.33)                                      | 0.59                       | 4742-0318      |
| 14  | CDRH62BNP-390MC | 390   | 39 $\mu$ H $\pm$ 20%         | 0.49 (0.37)                                      | 0.54                       | 4742-0319      |
| 15  | CDRH62BNP-470MC | 470   | 47 $\mu$ H $\pm$ 20%         | 0.69 (0.51)                                      | 0.50                       | 4742-0320      |
| 16  | CDRH62BNP-560MC | 560   | 56 $\mu$ H $\pm$ 20%         | 0.78 (0.58)                                      | 0.46                       | 4742-0321      |
| 17  | CDRH62BNP-680MC | 680   | 68 $\mu$ H $\pm$ 20%         | 1.07 (0.83)                                      | 0.42                       | 4742-0322      |
| 18  | CDRH62BNP-820MC | 820   | 82 $\mu$ H $\pm$ 20%         | 1.21 (0.93)                                      | 0.38                       | 4742-0324      |
| 19  | CDRH62BNP-101MC | 101   | 100 $\mu$ H $\pm$ 20%        | 1.39 (1.07)                                      | 0.34                       | 4742-0325      |
| 20  | CDRH62BNP-121MC | 121   | 120 $\mu$ H $\pm$ 20%        | 1.90 (1.46)                                      | 0.31                       | 4742-0326      |
| 21  | CDRH62BNP-151MC | 151   | 150 $\mu$ H $\pm$ 20%        | 2.18 (1.68)                                      | 0.28                       | 4742-0327      |
| 22  | CDRH62BNP-181MC | 181   | 180 $\mu$ H $\pm$ 20%        | 2.77 (2.13)                                      | 0.26                       | 4742-0328      |
| 23  | CDRH62BNP-221MC | 221   | 220 $\mu$ H $\pm$ 20%        | 3.12 (2.40)                                      | 0.23                       | 4742-0329      |
| 24  | CDRH62BNP-271MC | 271   | 270 $\mu$ H $\pm$ 20%        | 4.38 (3.37)                                      | 0.22                       | 4742-0330      |
| 25  | CDRH62BNP-331MC | 331   | 330 $\mu$ H $\pm$ 20%        | 4.94 (3.80)                                      | 0.19                       | 4742-0331      |

# SPECIFICATION

|         |
|---------|
| TYPE    |
| CDRH62B |

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

| NO. | PART NAME       | STAMP | INDUCTANCE<br>[WITHIN]<br>※1 | D. C. R.<br>( $\Omega$ ) [MAX.]<br>(at 20°C) ※2 | RATED<br>CURRENT<br>(A) ※3 | SUMIDA<br>CODE |
|-----|-----------------|-------|------------------------------|-------------------------------------------------|----------------------------|----------------|
| 26  | CDRH62BNP-2R9NB | 2R9   | 2.9 $\mu$ H + 40%<br>- 20%   | 68m (50m)                                       | 1.94                       | 4742-0332      |
| 27  | CDRH62BNP-4R0NB | 4R0   | 4.0 $\mu$ H + 40%<br>- 20%   | 80m (59m)                                       | 1.63                       | 4742-0333      |
| 28  | CDRH62BNP-5R5NB | 5R5   | 5.5 $\mu$ H + 40%<br>- 20%   | 96m (71m)                                       | 1.40                       | 4742-0335      |
| 29  | CDRH62BNP-6R3NB | 6R3   | 6.3 $\mu$ H + 40%<br>- 20%   | 0.10 (77m)                                      | 1.30                       | 4742-0336      |
| 30  | CDRH62BNP-7R1NB | 7R1   | 7.1 $\mu$ H + 40%<br>- 20%   | 0.11 (81m)                                      | 1.22                       | 4742-0337      |
| 31  | CDRH62BNP-8R0NB | 8R0   | 8.0 $\mu$ H + 40%<br>- 20%   | 0.12 (87m)                                      | 1.15                       | 4742-0338      |
| 32  | CDRH62BNP-100MB | 100   | 10 $\mu$ H $\pm$ 20%         | 0.15 (0.11)                                     | 1.10                       | 4742-0339      |
| 33  | CDRH62BNP-120MB | 120   | 12 $\mu$ H $\pm$ 20%         | 0.20 (0.15)                                     | 1.00                       | 4742-0340      |
| 34  | CDRH62BNP-150MB | 150   | 15 $\mu$ H $\pm$ 20%         | 0.23 (0.17)                                     | 0.90                       | 4742-0341      |
| 35  | CDRH62BNP-180MB | 180   | 18 $\mu$ H $\pm$ 20%         | 0.27 (0.20)                                     | 0.80                       | 4742-0342      |
| 36  | CDRH62BNP-220MB | 220   | 22 $\mu$ H $\pm$ 20%         | 0.34 (0.25)                                     | 0.74                       | 4742-0343      |
| 37  | CDRH62BNP-270MB | 270   | 27 $\mu$ H $\pm$ 20%         | 0.38 (0.29)                                     | 0.66                       | 4742-0344      |
| 38  | CDRH62BNP-330MB | 330   | 33 $\mu$ H $\pm$ 20%         | 0.45 (0.33)                                     | 0.59                       | 4742-0346      |
| 39  | CDRH62BNP-390MB | 390   | 39 $\mu$ H $\pm$ 20%         | 0.49 (0.37)                                     | 0.54                       | 4742-0347      |
| 40  | CDRH62BNP-470MB | 470   | 47 $\mu$ H $\pm$ 20%         | 0.69 (0.51)                                     | 0.50                       | 4742-0348      |
| 41  | CDRH62BNP-560MB | 560   | 56 $\mu$ H $\pm$ 20%         | 0.78 (0.58)                                     | 0.46                       | 4742-0349      |
| 42  | CDRH62BNP-680MB | 680   | 68 $\mu$ H $\pm$ 20%         | 1.07 (0.83)                                     | 0.42                       | 4742-0350      |
| 43  | CDRH62BNP-820MB | 820   | 82 $\mu$ H $\pm$ 20%         | 1.21 (0.93)                                     | 0.38                       | 4742-0351      |
| 44  | CDRH62BNP-101MB | 101   | 100 $\mu$ H $\pm$ 20%        | 1.39 (1.07)                                     | 0.34                       | 4742-0352      |
| 45  | CDRH62BNP-121MB | 121   | 120 $\mu$ H $\pm$ 20%        | 1.90 (1.46)                                     | 0.31                       | 4742-0353      |
| 46  | CDRH62BNP-151MB | 151   | 150 $\mu$ H $\pm$ 20%        | 2.18 (1.68)                                     | 0.28                       | 4742-0354      |
| 47  | CDRH62BNP-181MB | 181   | 180 $\mu$ H $\pm$ 20%        | 2.77 (2.13)                                     | 0.26                       | 4742-0355      |
| 48  | CDRH62BNP-221MB | 221   | 220 $\mu$ H $\pm$ 20%        | 3.12 (2.40)                                     | 0.23                       | 4742-0357      |
| 49  | CDRH62BNP-271MB | 271   | 270 $\mu$ H $\pm$ 20%        | 4.38 (3.37)                                     | 0.22                       | 4742-0358      |
| 50  | CDRH62BNP-331MB | 331   | 330 $\mu$ H $\pm$ 20%        | 4.94 (3.80)                                     | 0.19                       | 4742-0359      |

※1: 2.9  $\mu$  H  $\sim$  8.0  $\mu$  H ; INDUCTANCE (L) MEASURED AT FREQUENCY OF 7.96MHz  
 10  $\mu$  H  $\sim$  330  $\mu$  H ; INDUCTANCE (L) MEASURED AT FREQUENCY OF 1 kHz

※2: ( ) TYPICAL VALUE.

※3: THIS INDICATES THE VALUE OF CURRENT WHEN THE INDUCTANCE IS 75% 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)