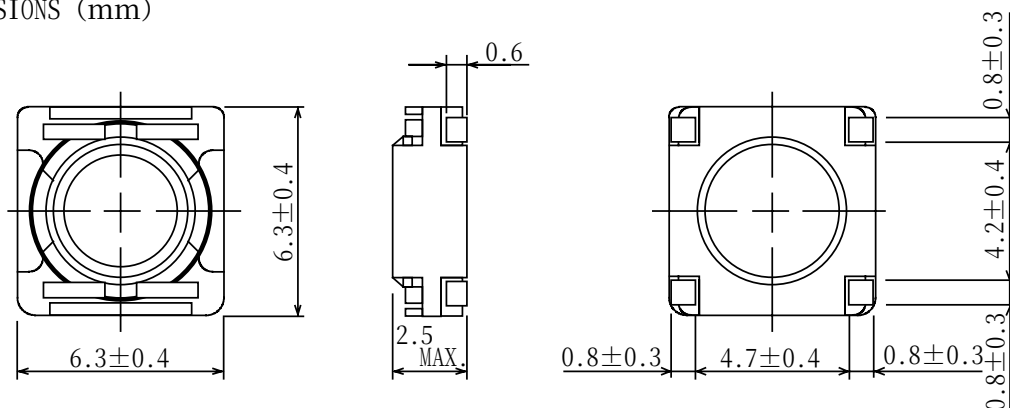


# SPECIFICATION

TYPE  
CDRC 6 2

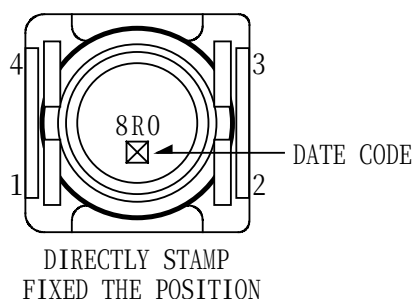
## 1. APPEARANCE

### 1-1.DIMENSIONS (mm)

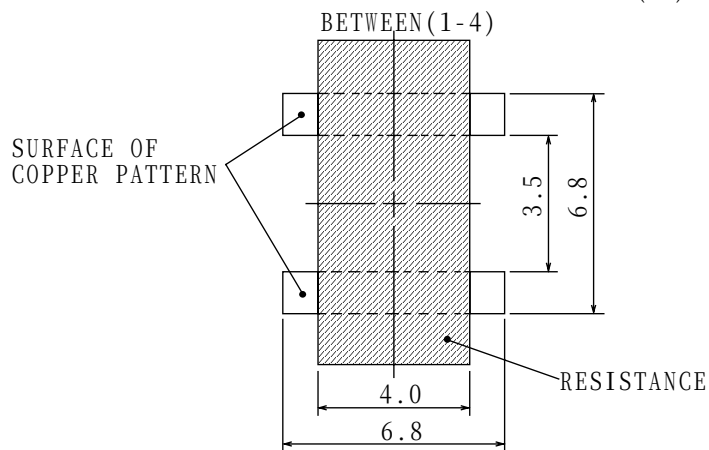


\* DIMENSION WITHOUT TOLERANCE ARE APPROX.

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



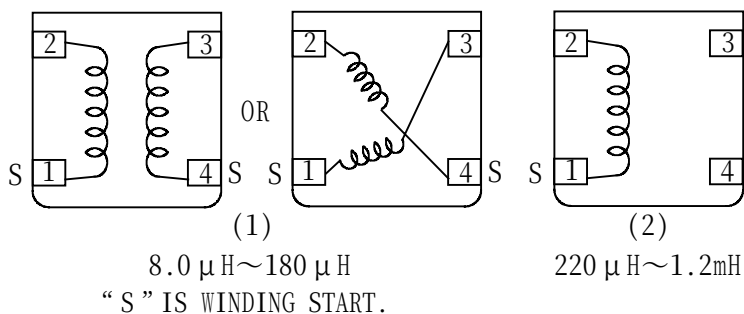
### 1-3.RECOMMENDED LAND PATTERNS DIMENSION(mm)



PLEASE MAKE SURE TO MAKE THE RESISTANCE, WHEN TERMINAL #1 IS CONNECTED TO #4 AND TERMINAL #2 IS CONNECTED TO #3 WITH COPPER PATTERN UNDER THE COIL.

## 2. COIL SPECIFICATION

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



RoHS  
compliance  
Cd:Max.0.01wt%  
others:Max.0.1wt%

# SPECIFICATION

TYPE  
CDRC62

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

| NO. | PART NO.       | STAMP | INDUCTANCE<br>[WITHIN]<br>※ 1 | D.C.R.<br>( $\Omega$ )<br>[MAX.]<br>(at 20°C)<br>※ 3 | RATED<br>CURRENT<br>(mA)<br>※ 2 | S.R.F.<br>(MHz)<br>[TYP.] | SUMIDA<br>CODE |
|-----|----------------|-------|-------------------------------|------------------------------------------------------|---------------------------------|---------------------------|----------------|
| 01  | CDRC62NP-8R0NC | 8R0   | 8 $\mu$ H $\pm$ 25%           | 0.077 (0.062)                                        | 764                             | 38.6                      | 4747-0069      |
| 02  | CDRC62NP-100NC | 100   | 10 $\mu$ H $\pm$ 25%          | 0.104 (0.083)                                        | 712                             | 33.9                      | 4747-0070      |
| 03  | CDRC62NP-150NC | 150   | 15 $\mu$ H $\pm$ 25%          | 0.131 (0.105)                                        | 556                             | 27.6                      | 4747-0071      |
| 04  | CDRC62NP-220NC | 220   | 22 $\mu$ H $\pm$ 25%          | 0.200 (0.160)                                        | 467                             | 23.0                      | 4747-0072      |
| 05  | CDRC62NP-330NC | 330   | 33 $\mu$ H $\pm$ 25%          | 0.264 (0.211)                                        | 374                             | 18.9                      | 4747-0073      |
| 06  | CDRC62NP-390NC | 390   | 39 $\mu$ H $\pm$ 25%          | 0.381 (0.305)                                        | 354                             | 16.9                      | 4747-0074      |
| 07  | CDRC62NP-470NC | 470   | 47 $\mu$ H $\pm$ 25%          | 0.430 (0.344)                                        | 320                             | 15.0                      | 4747-0075      |
| 08  | CDRC62NP-560NC | 560   | 56 $\mu$ H $\pm$ 25%          | 0.480 (0.384)                                        | 290                             | 14.0                      | 4747-0076      |
| 09  | CDRC62NP-680NC | 680   | 68 $\mu$ H $\pm$ 25%          | 0.624 (0.499)                                        | 248                             | 12.2                      | 4747-0077      |
| 10  | CDRC62NP-820NC | 820   | 82 $\mu$ H $\pm$ 25%          | 0.671 (0.537)                                        | 237                             | 11.4                      | 4747-0078      |
| 11  | CDRC62NP-101MC | 101   | 100 $\mu$ H $\pm$ 20%         | 0.769 (0.615)                                        | 212                             | 10.2                      | 4747-0080      |
| 12  | CDRC62NP-121MC | 121   | 120 $\mu$ H $\pm$ 20%         | 1.02 (0.816)                                         | 194                             | 9.4                       | 4747-0082      |
| 13  | CDRC62NP-151MC | 151   | 150 $\mu$ H $\pm$ 20%         | 1.43 (1.14)                                          | 174                             | 8.6                       | 4747-0083      |
| 14  | CDRC62NP-181MC | 181   | 180 $\mu$ H $\pm$ 20%         | 1.60 (1.28)                                          | 160                             | 7.5                       | 4747-0084      |
| 15  | CDRC62NP-221MC | 221   | 220 $\mu$ H $\pm$ 20%         | 1.77 (1.42)                                          | 142                             | 7.2                       | 4747-0085      |
| 16  | CDRC62NP-271MC | 271   | 270 $\mu$ H $\pm$ 20%         | 2.30 (1.84)                                          | 130                             | 6.5                       | 4747-0086      |
| 17  | CDRC62NP-331MC | 331   | 330 $\mu$ H $\pm$ 20%         | 2.71 (2.16)                                          | 117                             | 5.8                       | 4747-0087      |
| 18  | CDRC62NP-391MC | 391   | 390 $\mu$ H $\pm$ 20%         | 3.02 (2.42)                                          | 108                             | 5.3                       | 4747-0088      |
| 19  | CDRC62NP-471MC | 471   | 470 $\mu$ H $\pm$ 20%         | 3.93 (3.14)                                          | 98                              | 4.8                       | 4747-0089      |
| 20  | CDRC62NP-561MC | 561   | 560 $\mu$ H $\pm$ 20%         | 4.46 (3.57)                                          | 91                              | 4.4                       | 4747-0090      |
| 21  | CDRC62NP-681MC | 681   | 680 $\mu$ H $\pm$ 20%         | 6.05 (4.84)                                          | 83                              | 4.0                       | 4747-0091      |
| 22  | CDRC62NP-821MC | 821   | 820 $\mu$ H $\pm$ 20%         | 6.79 (5.43)                                          | 75                              | 3.7                       | 4747-0093      |
| 23  | CDRC62NP-102MC | 102   | 1.0 mH $\pm$ 20%              | 9.98 (7.98)                                          | 66                              | 3.3                       | 4747-0094      |
| 24  | CDRC62NP-122MC | 122   | 1.2 mH $\pm$ 20%              | 11.8 (9.44)                                          | 62                              | 3.0                       | 4747-0095      |

# SPECIFICATION

TYPE  
CDRC62

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

| NO. | PART NO.       | STAMP | INDUCTANCE<br>[WITHIN]<br>※ 1 | D.C.R.<br>( $\Omega$ )<br>[MAX.]<br>(at 20°C)<br>※ 3 | RATED<br>CURRENT<br>(mA)<br>※ 2 | S.R.F.<br>(MHz)<br>[TYP.] | SUMIDA<br>CODE |
|-----|----------------|-------|-------------------------------|------------------------------------------------------|---------------------------------|---------------------------|----------------|
| 25  | CDRC62NP-8R0NB | 8R0   | 8 $\mu$ H $\pm$ 25%           | 0.077 (0.062)                                        | 764                             | 38.6                      | 4747-0096      |
| 26  | CDRC62NP-100NB | 100   | 10 $\mu$ H $\pm$ 25%          | 0.104 (0.083)                                        | 712                             | 33.9                      | 4747-0097      |
| 27  | CDRC62NP-150NB | 150   | 15 $\mu$ H $\pm$ 25%          | 0.131 (0.105)                                        | 556                             | 27.6                      | 4747-0098      |
| 28  | CDRC62NP-220NB | 220   | 22 $\mu$ H $\pm$ 25%          | 0.200 (0.160)                                        | 467                             | 23.0                      | 4747-0099      |
| 29  | CDRC62NP-330NB | 330   | 33 $\mu$ H $\pm$ 25%          | 0.264 (0.211)                                        | 374                             | 18.9                      | 4747-0100      |
| 30  | CDRC62NP-390NB | 390   | 39 $\mu$ H $\pm$ 25%          | 0.381 (0.305)                                        | 354                             | 16.9                      | 4747-0101      |
| 31  | CDRC62NP-470NB | 470   | 47 $\mu$ H $\pm$ 25%          | 0.430 (0.344)                                        | 320                             | 15.0                      | 4747-0102      |
| 32  | CDRC62NP-560NB | 560   | 56 $\mu$ H $\pm$ 25%          | 0.480 (0.384)                                        | 290                             | 14.0                      | 4747-0104      |
| 33  | CDRC62NP-680NB | 680   | 68 $\mu$ H $\pm$ 25%          | 0.624 (0.499)                                        | 248                             | 12.2                      | 4747-0105      |
| 34  | CDRC62NP-820NB | 820   | 82 $\mu$ H $\pm$ 25%          | 0.671 (0.537)                                        | 237                             | 11.4                      | 4747-0106      |
| 35  | CDRC62NP-101MB | 101   | 100 $\mu$ H $\pm$ 20%         | 0.769 (0.615)                                        | 212                             | 10.2                      | 4747-0107      |
| 36  | CDRC62NP-121MB | 121   | 120 $\mu$ H $\pm$ 20%         | 1.02 (0.816)                                         | 194                             | 9.4                       | 4747-0108      |
| 37  | CDRC62NP-151MB | 151   | 150 $\mu$ H $\pm$ 20%         | 1.43 (1.14)                                          | 174                             | 8.6                       | 4747-0109      |
| 38  | CDRC62NP-181MB | 181   | 180 $\mu$ H $\pm$ 20%         | 1.60 (1.28)                                          | 160                             | 7.5                       | 4747-0110      |
| 39  | CDRC62NP-221MB | 221   | 220 $\mu$ H $\pm$ 20%         | 1.77 (1.42)                                          | 142                             | 7.2                       | 4747-0111      |
| 40  | CDRC62NP-271MB | 271   | 270 $\mu$ H $\pm$ 20%         | 2.30 (1.84)                                          | 130                             | 6.5                       | 4747-0112      |
| 41  | CDRC62NP-331MB | 331   | 330 $\mu$ H $\pm$ 20%         | 2.71 (2.16)                                          | 117                             | 5.8                       | 4747-0113      |
| 42  | CDRC62NP-391MB | 391   | 390 $\mu$ H $\pm$ 20%         | 3.02 (2.42)                                          | 108                             | 5.3                       | 4747-0115      |
| 43  | CDRC62NP-471MB | 471   | 470 $\mu$ H $\pm$ 20%         | 3.93 (3.14)                                          | 98                              | 4.8                       | 4747-0116      |
| 44  | CDRC62NP-561MB | 561   | 560 $\mu$ H $\pm$ 20%         | 4.46 (3.57)                                          | 91                              | 4.4                       | 4747-0117      |
| 45  | CDRC62NP-681MB | 681   | 680 $\mu$ H $\pm$ 20%         | 6.05 (4.84)                                          | 83                              | 4.0                       | 4747-0118      |
| 46  | CDRC62NP-821MB | 821   | 820 $\mu$ H $\pm$ 20%         | 6.79 (5.43)                                          | 75                              | 3.7                       | 4747-0119      |
| 47  | CDRC62NP-102MB | 102   | 1.0 mH $\pm$ 20%              | 9.98 (7.98)                                          | 66                              | 3.3                       | 4747-0120      |
| 48  | CDRC62NP-122MB | 122   | 1.2 mH $\pm$ 20%              | 11.8 (9.44)                                          | 62                              | 3.0                       | 4747-0121      |

※1: MEASURED FREQUENCY L 8.0  $\mu$ H  $\sim$  82  $\mu$ H ; at 100kHz  
100  $\mu$ H  $\sim$  1.2mH ; at 1kHz

※2: THIS INDICATES THE VALUE OF CURRENT WHEN THE INDUCTANCE IS 25% 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: D.C.R. ( ) IS TYPICAL VALUE.

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

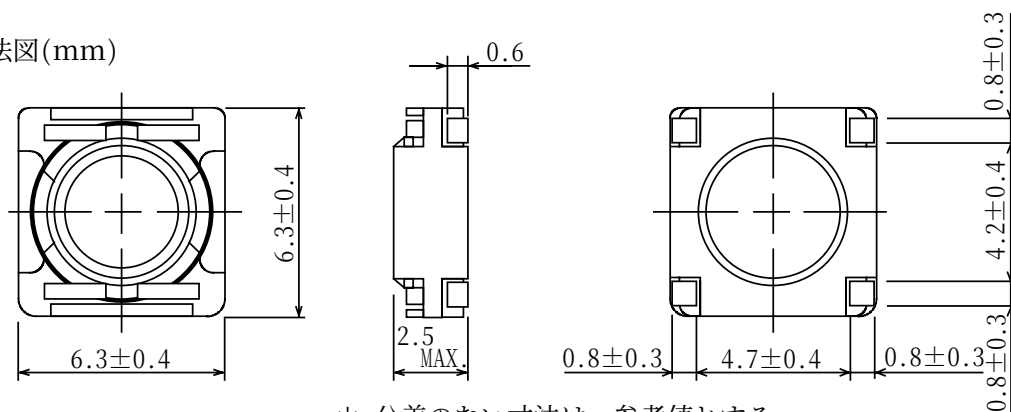
OPERATING TEMPERATURE RANGE:  $-40^{\circ}\text{C} \sim +100^{\circ}\text{C}$  (INCLUDING SELF TEMPERATURE RISE)

# 仕 様 書

形 名  
CDRC62

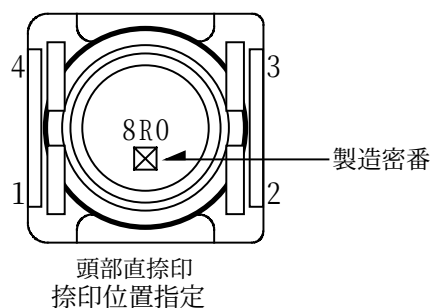
## 1. 外形

### 1-1. 寸法図(mm)

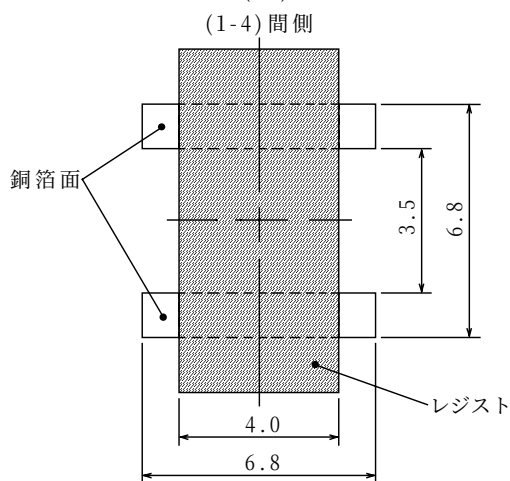


\* 公差のない寸法は、参考値とする。

### 1-2. 捺印表示例

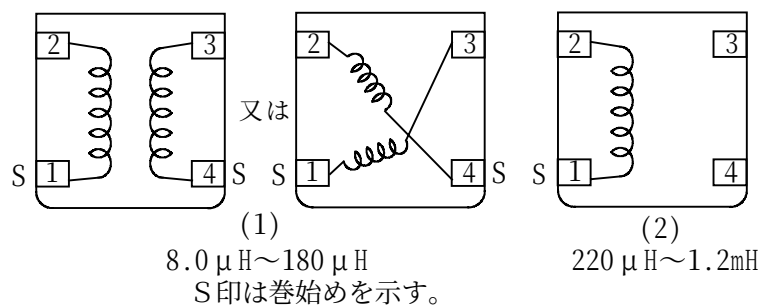


### 1-3. 推奨ランド図(mm)



## 2. コイル仕様

### 2-1. 端子接続図(裏面図)



注) 各々の端子を製品の下で続く場合は、必ずレジストを行って下さい。

RoHS  
compliance  
Cd: Max. 0.01wt%  
others: Max. 0.1wt%

# 仕 様 書

|        |
|--------|
| 形 名    |
| CDRC62 |

## 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>( $\Omega$ )<br>[以下]<br>(at 20°C) ※3 | 定格電流<br>(mA)<br>※2 | 自己共振<br>周波数<br>(MHz)<br>(参考値) | スミダ<br>コード |
|-----|----------------|-----|-----------------------|------------------------------------------------|--------------------|-------------------------------|------------|
| 01  | CDRC62NP-8R0NC | 8R0 | 8 $\mu$ H $\pm$ 25%   | 0.077 (0.062)                                  | 764                | 38.6                          | 4747-0069  |
| 02  | CDRC62NP-100NC | 100 | 10 $\mu$ H $\pm$ 25%  | 0.104 (0.083)                                  | 712                | 33.9                          | 4747-0070  |
| 03  | CDRC62NP-150NC | 150 | 15 $\mu$ H $\pm$ 25%  | 0.131 (0.105)                                  | 556                | 27.6                          | 4747-0071  |
| 04  | CDRC62NP-220NC | 220 | 22 $\mu$ H $\pm$ 25%  | 0.200 (0.160)                                  | 467                | 23.0                          | 4747-0072  |
| 05  | CDRC62NP-330NC | 330 | 33 $\mu$ H $\pm$ 25%  | 0.264 (0.211)                                  | 374                | 18.9                          | 4747-0073  |
| 06  | CDRC62NP-390NC | 390 | 39 $\mu$ H $\pm$ 25%  | 0.381 (0.305)                                  | 354                | 16.9                          | 4747-0074  |
| 07  | CDRC62NP-470NC | 470 | 47 $\mu$ H $\pm$ 25%  | 0.430 (0.344)                                  | 320                | 15.0                          | 4747-0075  |
| 08  | CDRC62NP-560NC | 560 | 56 $\mu$ H $\pm$ 25%  | 0.480 (0.384)                                  | 290                | 14.0                          | 4747-0076  |
| 09  | CDRC62NP-680NC | 680 | 68 $\mu$ H $\pm$ 25%  | 0.624 (0.499)                                  | 248                | 12.2                          | 4747-0077  |
| 10  | CDRC62NP-820NC | 820 | 82 $\mu$ H $\pm$ 25%  | 0.671 (0.537)                                  | 237                | 11.4                          | 4747-0078  |
| 11  | CDRC62NP-101MC | 101 | 100 $\mu$ H $\pm$ 20% | 0.769 (0.615)                                  | 212                | 10.2                          | 4747-0080  |
| 12  | CDRC62NP-121MC | 121 | 120 $\mu$ H $\pm$ 20% | 1.02 (0.816)                                   | 194                | 9.4                           | 4747-0082  |
| 13  | CDRC62NP-151MC | 151 | 150 $\mu$ H $\pm$ 20% | 1.43 (1.14)                                    | 174                | 8.6                           | 4747-0083  |
| 14  | CDRC62NP-181MC | 181 | 180 $\mu$ H $\pm$ 20% | 1.60 (1.28)                                    | 160                | 7.5                           | 4747-0084  |
| 15  | CDRC62NP-221MC | 221 | 220 $\mu$ H $\pm$ 20% | 1.77 (1.42)                                    | 142                | 7.2                           | 4747-0085  |
| 16  | CDRC62NP-271MC | 271 | 270 $\mu$ H $\pm$ 20% | 2.30 (1.84)                                    | 130                | 6.5                           | 4747-0086  |
| 17  | CDRC62NP-331MC | 331 | 330 $\mu$ H $\pm$ 20% | 2.71 (2.16)                                    | 117                | 5.8                           | 4747-0087  |
| 18  | CDRC62NP-391MC | 391 | 390 $\mu$ H $\pm$ 20% | 3.02 (2.42)                                    | 108                | 5.3                           | 4747-0088  |
| 19  | CDRC62NP-471MC | 471 | 470 $\mu$ H $\pm$ 20% | 3.93 (3.14)                                    | 98                 | 4.8                           | 4747-0089  |
| 20  | CDRC62NP-561MC | 561 | 560 $\mu$ H $\pm$ 20% | 4.46 (3.57)                                    | 91                 | 4.4                           | 4747-0090  |
| 21  | CDRC62NP-681MC | 681 | 680 $\mu$ H $\pm$ 20% | 6.05 (4.84)                                    | 83                 | 4.0                           | 4747-0091  |
| 22  | CDRC62NP-821MC | 821 | 820 $\mu$ H $\pm$ 20% | 6.79 (5.43)                                    | 75                 | 3.7                           | 4747-0093  |
| 23  | CDRC62NP-102MC | 102 | 1.0 mH $\pm$ 20%      | 9.98 (7.98)                                    | 66                 | 3.3                           | 4747-0094  |
| 24  | CDRC62NP-122MC | 122 | 1.2 mH $\pm$ 20%      | 11.8 (9.44)                                    | 62                 | 3.0                           | 4747-0095  |

# 仕 様 書

|        |
|--------|
| 形 名    |
| CDRC62 |

## 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>( $\Omega$ )<br>[以下]<br>(at 20°C) ※ 3 | 定格電流<br>(mA)<br>※ 2 | 自己共振<br>周波数<br>(MHz)<br>(参考値) | スミダ<br>コード |
|-----|----------------|-----|------------------------|-------------------------------------------------|---------------------|-------------------------------|------------|
| 25  | CDRC62NP-8R0NB | 8R0 | 8 $\mu$ H $\pm$ 25%    | 0.077 (0.062)                                   | 764                 | 38.6                          | 4747-0096  |
| 26  | CDRC62NP-100NB | 100 | 10 $\mu$ H $\pm$ 25%   | 0.104 (0.083)                                   | 712                 | 33.9                          | 4747-0097  |
| 27  | CDRC62NP-150NB | 150 | 15 $\mu$ H $\pm$ 25%   | 0.131 (0.105)                                   | 556                 | 27.6                          | 4747-0098  |
| 28  | CDRC62NP-220NB | 220 | 22 $\mu$ H $\pm$ 25%   | 0.200 (0.160)                                   | 467                 | 23.0                          | 4747-0099  |
| 29  | CDRC62NP-330NB | 330 | 33 $\mu$ H $\pm$ 25%   | 0.264 (0.211)                                   | 374                 | 18.9                          | 4747-0100  |
| 30  | CDRC62NP-390NB | 390 | 39 $\mu$ H $\pm$ 25%   | 0.381 (0.305)                                   | 354                 | 16.9                          | 4747-0101  |
| 31  | CDRC62NP-470NB | 470 | 47 $\mu$ H $\pm$ 25%   | 0.430 (0.344)                                   | 320                 | 15.0                          | 4747-0102  |
| 32  | CDRC62NP-560NB | 560 | 56 $\mu$ H $\pm$ 25%   | 0.480 (0.384)                                   | 290                 | 14.0                          | 4747-0104  |
| 33  | CDRC62NP-680NB | 680 | 68 $\mu$ H $\pm$ 25%   | 0.624 (0.499)                                   | 248                 | 12.2                          | 4747-0105  |
| 34  | CDRC62NP-820NB | 820 | 82 $\mu$ H $\pm$ 25%   | 0.671 (0.537)                                   | 237                 | 11.4                          | 4747-0106  |
| 35  | CDRC62NP-101MB | 101 | 100 $\mu$ H $\pm$ 20%  | 0.769 (0.615)                                   | 212                 | 10.2                          | 4747-0107  |
| 36  | CDRC62NP-121MB | 121 | 120 $\mu$ H $\pm$ 20%  | 1.02 (0.816)                                    | 194                 | 9.4                           | 4747-0108  |
| 37  | CDRC62NP-151MB | 151 | 150 $\mu$ H $\pm$ 20%  | 1.43 (1.14)                                     | 174                 | 8.6                           | 4747-0109  |
| 38  | CDRC62NP-181MB | 181 | 180 $\mu$ H $\pm$ 20%  | 1.60 (1.28)                                     | 160                 | 7.5                           | 4747-0110  |
| 39  | CDRC62NP-221MB | 221 | 220 $\mu$ H $\pm$ 20%  | 1.77 (1.42)                                     | 142                 | 7.2                           | 4747-0111  |
| 40  | CDRC62NP-271MB | 271 | 270 $\mu$ H $\pm$ 20%  | 2.30 (1.84)                                     | 130                 | 6.5                           | 4747-0112  |
| 41  | CDRC62NP-331MB | 331 | 330 $\mu$ H $\pm$ 20%  | 2.71 (2.16)                                     | 117                 | 5.8                           | 4747-0113  |
| 42  | CDRC62NP-391MB | 391 | 390 $\mu$ H $\pm$ 20%  | 3.02 (2.42)                                     | 108                 | 5.3                           | 4747-0115  |
| 43  | CDRC62NP-471MB | 471 | 470 $\mu$ H $\pm$ 20%  | 3.93 (3.14)                                     | 98                  | 4.8                           | 4747-0116  |
| 44  | CDRC62NP-561MB | 561 | 560 $\mu$ H $\pm$ 20%  | 4.46 (3.57)                                     | 91                  | 4.4                           | 4747-0117  |
| 45  | CDRC62NP-681MB | 681 | 680 $\mu$ H $\pm$ 20%  | 6.05 (4.84)                                     | 83                  | 4.0                           | 4747-0118  |
| 46  | CDRC62NP-821MB | 821 | 820 $\mu$ H $\pm$ 20%  | 6.79 (5.43)                                     | 75                  | 3.7                           | 4747-0119  |
| 47  | CDRC62NP-102MB | 102 | 1.0 mH $\pm$ 20%       | 9.98 (7.98)                                     | 66                  | 3.3                           | 4747-0120  |
| 48  | CDRC62NP-122MB | 122 | 1.2 mH $\pm$ 20%       | 11.8 (9.44)                                     | 62                  | 3.0                           | 4747-0121  |

※ 1 : 測定周波数 L      8.0  $\mu$ H  $\sim$  82  $\mu$ H ; at 100 kHz  
                                  100  $\mu$ H  $\sim$  1.2mH ; at 1 kHz

※ 2 : 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 : (    )内は、標準値とする。

3. 保存温度範囲       $-40^{\circ}\text{C} \sim +100^{\circ}\text{C}$   
   使用温度範囲       $-40^{\circ}\text{C} \sim +100^{\circ}\text{C}$  (コイルの発熱を含む。)