

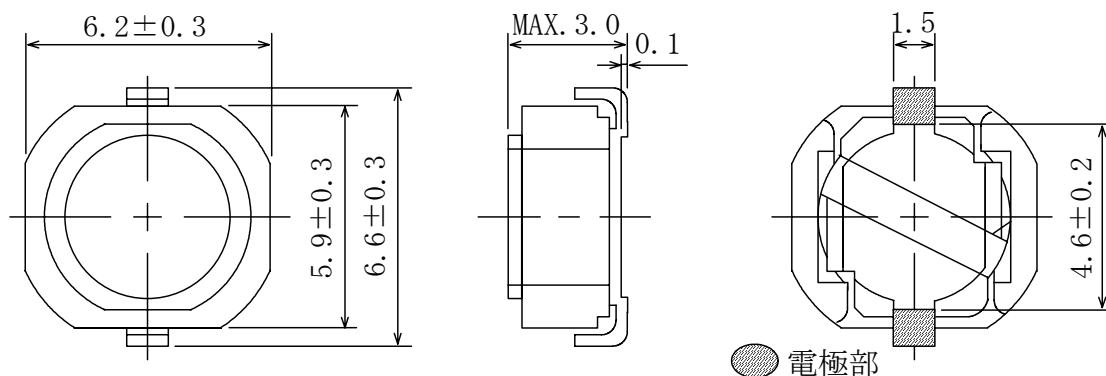
# 仕様書

形 名

CDRH62

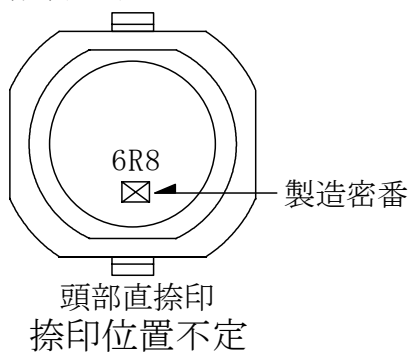
## 1. 外形

### 1-1. 寸法図 (mm)

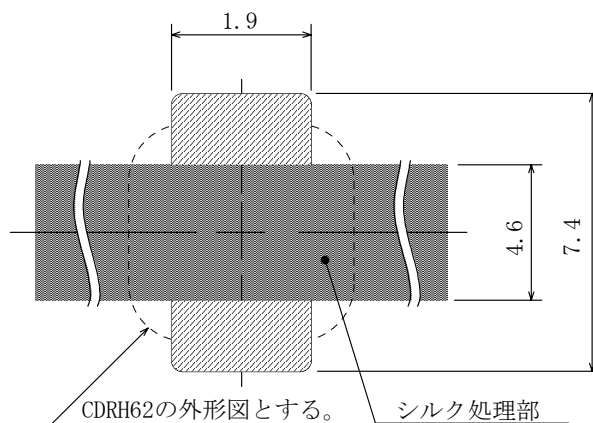


\* 公差のない寸法は、参考値とする。

### 1-2. 捺印表示例



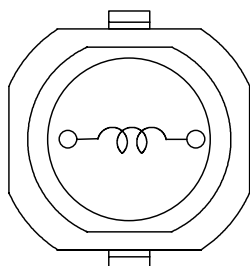
### 1-3. 推奨ランド寸法 (mm)



電極（端子）間の隙間はシルク処理をして御使用下さい。

## 2. コイル仕様

### 2-1. 端子接続図(裏面図)



RoHS

compliance

Cd:Max. 0.01wt%

others:Max. 0.1wt%



## 仕 様 書

形 名

CDRH62

## 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) | 定格電流<br>(A)<br>※2 | スミダ<br>コード |
|-----|----------------|-----|-----------------------|--------------------------------------------|-------------------|------------|
| 01  | CDRH62NP-6R8NC | 6R8 | 6.8 $\mu$ H $\pm$ 25% | 0.12                                       | 1.57              | -0066      |
| 02  | CDRH62NP-8R2NC | 8R2 | 8.2 $\mu$ H $\pm$ 25% | 0.13                                       | 1.38              | -0067      |
| 03  | CDRH62NP-100MC | 100 | 10 $\mu$ H $\pm$ 20%  | 0.17                                       | 1.28              | -0069      |
| 04  | CDRH62NP-120MC | 120 | 12 $\mu$ H $\pm$ 20%  | 0.18                                       | 1.19              | -0070      |
| 05  | CDRH62NP-150MC | 150 | 15 $\mu$ H $\pm$ 20%  | 0.26                                       | 0.97              | -0071      |
| 06  | CDRH62NP-180MC | 180 | 18 $\mu$ H $\pm$ 20%  | 0.30                                       | 0.94              | -0072      |
| 07  | CDRH62NP-220MC | 220 | 22 $\mu$ H $\pm$ 20%  | 0.38                                       | 0.81              | -0073      |
| 08  | CDRH62NP-270MC | 270 | 27 $\mu$ H $\pm$ 20%  | 0.43                                       | 0.71              | -0074      |
| 09  | CDRH62NP-330MC | 330 | 33 $\mu$ H $\pm$ 20%  | 0.48                                       | 0.64              | -0075      |
| 10  | CDRH62NP-390MC | 390 | 39 $\mu$ H $\pm$ 20%  | 0.69                                       | 0.59              | -0076      |
| 11  | CDRH62NP-470MC | 470 | 47 $\mu$ H $\pm$ 20%  | 0.77                                       | 0.54              | -0077      |
| 12  | CDRH62NP-560MC | 560 | 56 $\mu$ H $\pm$ 20%  | 0.85                                       | 0.52              | -0078      |
| 13  | CDRH62NP-680MC | 680 | 68 $\mu$ H $\pm$ 20%  | 1.21                                       | 0.49              | -0081      |
| 14  | CDRH62NP-820MC | 820 | 82 $\mu$ H $\pm$ 20%  | 1.42                                       | 0.41              | -0082      |
| 15  | CDRH62NP-101MC | 101 | 100 $\mu$ H $\pm$ 20% | 1.50                                       | 0.39              | -0083      |
| 16  | CDRH62NP-121MC | 121 | 120 $\mu$ H $\pm$ 20% | 2.10                                       | 0.30              | -0084      |
| 17  | CDRH62NP-151MC | 151 | 150 $\mu$ H $\pm$ 20% | 2.33                                       | 0.28              | -0085      |
| 18  | CDRH62NP-181MC | 181 | 180 $\mu$ H $\pm$ 20% | 3.20                                       | 0.25              | -0086      |
| 19  | CDRH62NP-221MC | 221 | 220 $\mu$ H $\pm$ 20% | 3.69                                       | 0.23              | -0087      |
| 20  | CDRH62NP-271MC | 271 | 270 $\mu$ H $\pm$ 20% | 4.89                                       | 0.20              | -0088      |
| 21  | CDRH62NP-331MC | 331 | 330 $\mu$ H $\pm$ 20% | 5.42                                       | 0.18              | -0089      |

|     |        |
|-----|--------|
| 形 名 | CDRH62 |
|-----|--------|

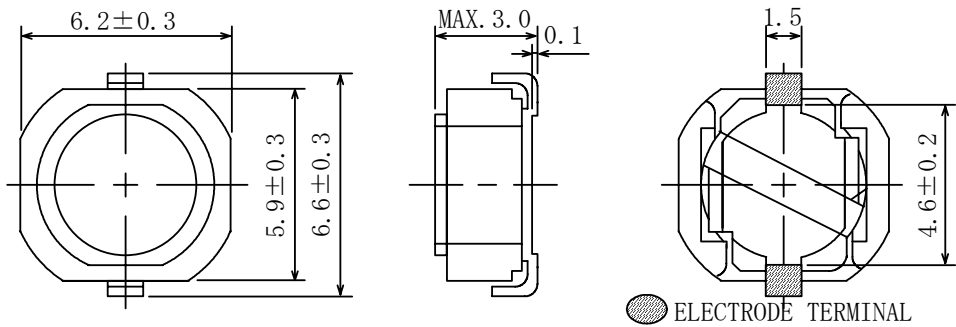
| NO. | 品 名            | 表示  | インダクタンス<br>〔以内〕<br>※1 | D. C. R.<br>( $\Omega$ )〔以下〕<br>(at 20℃) | 定格電流<br>(A)<br>※2 | スミダ<br>コード |
|-----|----------------|-----|-----------------------|------------------------------------------|-------------------|------------|
| 22  | CDRH62NP-6R8NB | 6R8 | 6.8 $\mu$ H $\pm$ 25% | 0.12                                     | 1.57              | -0090      |
| 23  | CDRH62NP-8R2NB | 8R2 | 8.2 $\mu$ H $\pm$ 25% | 0.13                                     | 1.38              | -0092      |
| 24  | CDRH62NP-100MB | 100 | 10 $\mu$ H $\pm$ 20%  | 0.17                                     | 1.28              | -0093      |
| 25  | CDRH62NP-120MB | 120 | 12 $\mu$ H $\pm$ 20%  | 0.18                                     | 1.19              | -0094      |
| 26  | CDRH62NP-150MB | 150 | 15 $\mu$ H $\pm$ 20%  | 0.26                                     | 0.97              | -0095      |
| 27  | CDRH62NP-180MB | 180 | 18 $\mu$ H $\pm$ 20%  | 0.30                                     | 0.94              | -0096      |
| 28  | CDRH62NP-220MB | 220 | 22 $\mu$ H $\pm$ 20%  | 0.38                                     | 0.81              | -0097      |
| 29  | CDRH62NP-270MB | 270 | 27 $\mu$ H $\pm$ 20%  | 0.43                                     | 0.71              | -0098      |
| 30  | CDRH62NP-330MB | 330 | 33 $\mu$ H $\pm$ 20%  | 0.48                                     | 0.64              | -0099      |
| 31  | CDRH62NP-390MB | 390 | 39 $\mu$ H $\pm$ 20%  | 0.69                                     | 0.59              | -0100      |
| 32  | CDRH62NP-470MB | 470 | 47 $\mu$ H $\pm$ 20%  | 0.77                                     | 0.54              | -0101      |
| 33  | CDRH62NP-560MB | 560 | 56 $\mu$ H $\pm$ 20%  | 0.85                                     | 0.52              | -0103      |
| 34  | CDRH62NP-680MB | 680 | 68 $\mu$ H $\pm$ 20%  | 1.21                                     | 0.49              | -0104      |
| 35  | CDRH62NP-820MB | 820 | 82 $\mu$ H $\pm$ 20%  | 1.42                                     | 0.41              | -0105      |
| 36  | CDRH62NP-101MB | 101 | 100 $\mu$ H $\pm$ 20% | 1.50                                     | 0.39              | -0106      |
| 37  | CDRH62NP-121MB | 121 | 120 $\mu$ H $\pm$ 20% | 2.10                                     | 0.30              | -0107      |
| 38  | CDRH62NP-151MB | 151 | 150 $\mu$ H $\pm$ 20% | 2.33                                     | 0.28              | -0108      |
| 39  | CDRH62NP-181MB | 181 | 180 $\mu$ H $\pm$ 20% | 3.20                                     | 0.25              | -0109      |
| 40  | CDRH62NP-221MB | 221 | 220 $\mu$ H $\pm$ 20% | 3.69                                     | 0.23              | -0110      |
| 41  | CDRH62NP-271MB | 271 | 270 $\mu$ H $\pm$ 20% | 4.89                                     | 0.20              | -0111      |
| 42  | CDRH62NP-331MB | 331 | 330 $\mu$ H $\pm$ 20% | 5.42                                     | 0.18              | -0112      |

# SPECIFICATION

TYPE  
CDRH62

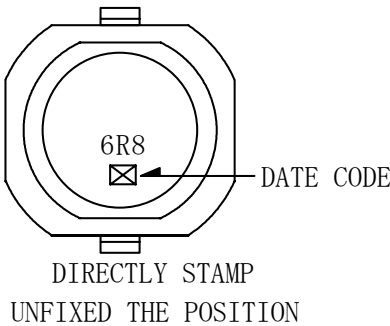
## 1. APPEARANCE

### 1-1. DIMENSIONS (mm)

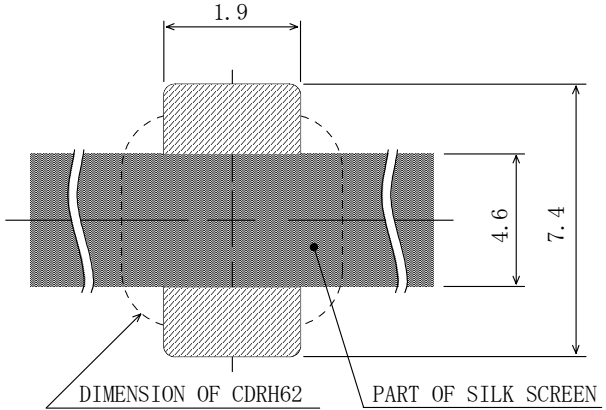


\*DIMENSIONS WITHOUT TOLERANCE ARE APPROX.

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



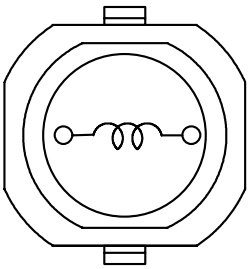
### 1-3. DIMENSION RECOMMENDED (mm)



PLEASE COAT WITH SILK SCREEN BETWEEN THE TWO TERMINALS.

## 2. COIL SPECIFICATION

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



RoHS

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



# SPECIFICATION

TYPE  
CDRH62

## 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) | RATED<br>CURRENT<br>(A) ※2 | SUMIDA<br>CODE |
|-----|----------------|-------|------------------------------|-----------------------------------------------|----------------------------|----------------|
| 01  | CDRH62NP-6R8NC | 6R8   | 6.8 $\mu$ H $\pm$ 25%        | 0.12                                          | 1.57                       | -0066          |
| 02  | CDRH62NP-8R2NC | 8R2   | 8.2 $\mu$ H $\pm$ 25%        | 0.13                                          | 1.38                       | -0067          |
| 03  | CDRH62NP-100MC | 100   | 10 $\mu$ H $\pm$ 20%         | 0.17                                          | 1.28                       | -0069          |
| 04  | CDRH62NP-120MC | 120   | 12 $\mu$ H $\pm$ 20%         | 0.18                                          | 1.19                       | -0070          |
| 05  | CDRH62NP-150MC | 150   | 15 $\mu$ H $\pm$ 20%         | 0.26                                          | 0.97                       | -0071          |
| 06  | CDRH62NP-180MC | 180   | 18 $\mu$ H $\pm$ 20%         | 0.30                                          | 0.94                       | -0072          |
| 07  | CDRH62NP-220MC | 220   | 22 $\mu$ H $\pm$ 20%         | 0.38                                          | 0.81                       | -0073          |
| 08  | CDRH62NP-270MC | 270   | 27 $\mu$ H $\pm$ 20%         | 0.43                                          | 0.71                       | -0074          |
| 09  | CDRH62NP-330MC | 330   | 33 $\mu$ H $\pm$ 20%         | 0.48                                          | 0.64                       | -0075          |
| 10  | CDRH62NP-390MC | 390   | 39 $\mu$ H $\pm$ 20%         | 0.69                                          | 0.59                       | -0076          |
| 11  | CDRH62NP-470MC | 470   | 47 $\mu$ H $\pm$ 20%         | 0.77                                          | 0.54                       | -0077          |
| 12  | CDRH62NP-560MC | 560   | 56 $\mu$ H $\pm$ 20%         | 0.85                                          | 0.52                       | -0078          |
| 13  | CDRH62NP-680MC | 680   | 68 $\mu$ H $\pm$ 20%         | 1.21                                          | 0.49                       | -0081          |
| 14  | CDRH62NP-820MC | 820   | 82 $\mu$ H $\pm$ 20%         | 1.42                                          | 0.41                       | -0082          |
| 15  | CDRH62NP-101MC | 101   | 100 $\mu$ H $\pm$ 20%        | 1.50                                          | 0.39                       | -0083          |
| 16  | CDRH62NP-121MC | 121   | 120 $\mu$ H $\pm$ 20%        | 2.10                                          | 0.30                       | -0084          |
| 17  | CDRH62NP-151MC | 151   | 150 $\mu$ H $\pm$ 20%        | 2.33                                          | 0.28                       | -0085          |
| 18  | CDRH62NP-181MC | 181   | 180 $\mu$ H $\pm$ 20%        | 3.20                                          | 0.25                       | -0086          |
| 19  | CDRH62NP-221MC | 221   | 220 $\mu$ H $\pm$ 20%        | 3.69                                          | 0.23                       | -0087          |
| 20  | CDRH62NP-271MC | 271   | 270 $\mu$ H $\pm$ 20%        | 4.89                                          | 0.20                       | -0088          |
| 21  | CDRH62NP-331MC | 331   | 330 $\mu$ H $\pm$ 20%        | 5.42                                          | 0.18                       | -0089          |

# SPECIFICATION

TYPE  
CDRH62

## 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) | RATED<br>CURRENT<br>(A) ※2 | SUMIDA<br>CODE |
|-----|----------------|-------|------------------------------|-----------------------------------------------|----------------------------|----------------|
| 22  | CDRH62NP-6R8NB | 6R8   | 6.8 $\mu$ H $\pm$ 25%        | 0.12                                          | 1.57                       | -0090          |
| 23  | CDRH62NP-8R2NB | 8R2   | 8.2 $\mu$ H $\pm$ 25%        | 0.13                                          | 1.38                       | -0092          |
| 24  | CDRH62NP-100MB | 100   | 10 $\mu$ H $\pm$ 20%         | 0.17                                          | 1.28                       | -0093          |
| 25  | CDRH62NP-120MB | 120   | 12 $\mu$ H $\pm$ 20%         | 0.18                                          | 1.19                       | -0094          |
| 26  | CDRH62NP-150MB | 150   | 15 $\mu$ H $\pm$ 20%         | 0.26                                          | 0.97                       | -0095          |
| 27  | CDRH62NP-180MB | 180   | 18 $\mu$ H $\pm$ 20%         | 0.30                                          | 0.94                       | -0096          |
| 28  | CDRH62NP-220MB | 220   | 22 $\mu$ H $\pm$ 20%         | 0.38                                          | 0.81                       | -0097          |
| 29  | CDRH62NP-270MB | 270   | 27 $\mu$ H $\pm$ 20%         | 0.43                                          | 0.71                       | -0098          |
| 30  | CDRH62NP-330MB | 330   | 33 $\mu$ H $\pm$ 20%         | 0.48                                          | 0.64                       | -0099          |
| 31  | CDRH62NP-390MB | 390   | 39 $\mu$ H $\pm$ 20%         | 0.69                                          | 0.59                       | -0100          |
| 32  | CDRH62NP-470MB | 470   | 47 $\mu$ H $\pm$ 20%         | 0.77                                          | 0.54                       | -0101          |
| 33  | CDRH62NP-560MB | 560   | 56 $\mu$ H $\pm$ 20%         | 0.85                                          | 0.52                       | -0103          |
| 34  | CDRH62NP-680MB | 680   | 68 $\mu$ H $\pm$ 20%         | 1.21                                          | 0.49                       | -0104          |
| 35  | CDRH62NP-820MB | 820   | 82 $\mu$ H $\pm$ 20%         | 1.42                                          | 0.41                       | -0105          |
| 36  | CDRH62NP-101MB | 101   | 100 $\mu$ H $\pm$ 20%        | 1.50                                          | 0.39                       | -0106          |
| 37  | CDRH62NP-121MB | 121   | 120 $\mu$ H $\pm$ 20%        | 2.10                                          | 0.30                       | -0107          |
| 38  | CDRH62NP-151MB | 151   | 150 $\mu$ H $\pm$ 20%        | 2.33                                          | 0.28                       | -0108          |
| 39  | CDRH62NP-181MB | 181   | 180 $\mu$ H $\pm$ 20%        | 3.20                                          | 0.25                       | -0109          |
| 40  | CDRH62NP-221MB | 221   | 220 $\mu$ H $\pm$ 20%        | 3.69                                          | 0.23                       | -0110          |
| 41  | CDRH62NP-271MB | 271   | 270 $\mu$ H $\pm$ 20%        | 4.89                                          | 0.20                       | -0111          |
| 42  | CDRH62NP-331MB | 331   | 330 $\mu$ H $\pm$ 20%        | 5.42                                          | 0.18                       | -0112          |

※1: MEASURED FREQUENCY

6.8  $\mu$  H  $\sim$  8.2  $\mu$  H at 7.96MHz

10  $\mu$  H  $\sim$  82  $\mu$  H at 2.52MHz

100  $\mu$  H  $\sim$  330  $\mu$  H at 1 kHz

※2: THIS INDICATES THE VALUE OF CURRENT WHEN THE INDUCTANCE IS 70% MORE THAN IT'S NOMINAL VALUE AND TEMPERATURE RISING  $\Delta t=40^{\circ}\text{C}$  LOWER AT D.C. SUPERPOSITION. ( $T_a=20^{\circ}\text{C}$ )

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)