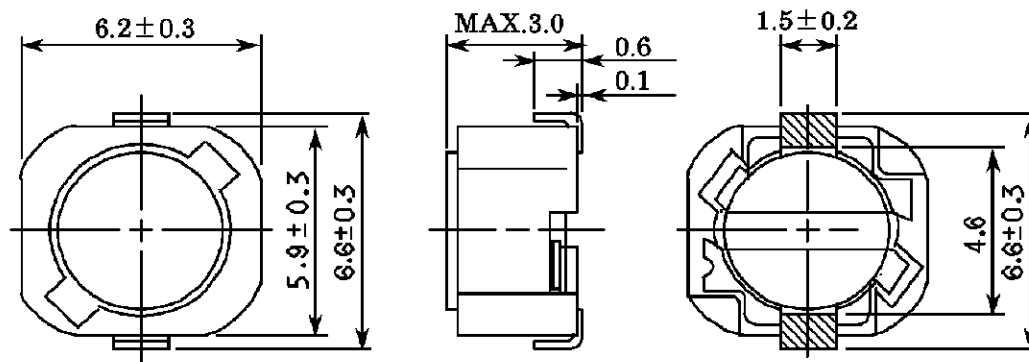




# THE DATASHEET OF CDRH62B-7R1NC

|  |                            |                                         |
|--|----------------------------|-----------------------------------------|
|  | <b>SPECIFICATION</b>       |                                         |
|  | SUMIDA TYPE <b>CDRH62B</b> | PART NO.    REF. TO THE ATTACHED SHEET. |

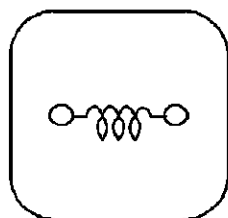
# 1. DIMENSION (UNIT mm)



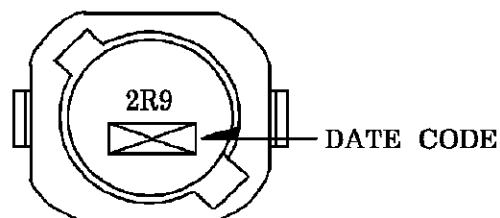
\* DIMENSION WITHOUT TOLERANCE ARE APPROX.

 ELECTRODE TERMINAL

# 2. CONNECTION



# 3. STAMP (Ex.)

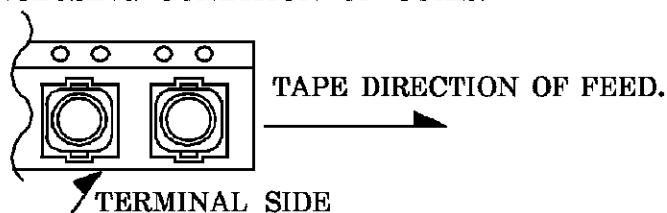


**DIRECTLY STAMP**  
**UNFIXED THE POSITION**

# 4. NOTE

\* PLEASE DO NOT USE A WASHING AGENT.

\* ENCLOSING CONDITION OF COILS.



\* CARRIER TAPE PACKING SPECIFICATION IN DETAIL.(S-074-462)

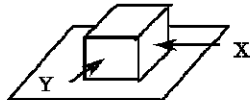
\* RECOMMENDED REFLOW CONDITION TO BE ACCORDING TO S-074-5003.

|                    |        |            |             |      |                               |
|--------------------|--------|------------|-------------|------|-------------------------------|
| 15 th FEB . , 1996 |        |            | SUMIDA CODE | 4742 | DRG. NO. 2/5<br><br>S-074-525 |
| C H K.             | C H K. | D R G.     |             |      |                               |
| KOMA<br>ITA        | MAKABE | MONMA<br>M |             |      |                               |

## GENERAL CHARACTERISTICS

TYPE

CDRH62B

1. OPERATIONG TEMPERATURE : - 30 ~ +100 °C (COIL CONTAIN HEAT)
2. EXTERNAL APPEARANCE : ON VISUAL INSPECTION,THE COIL HAS NO EXTERNAL DEFECTS.
3. ELECTRODE STRENGTH  $\Delta$  : AFTER SOLDERING, BETWEEN COPPER PLATE AND ELECTRODE OF COIL, PUSH IN TWO DIRECTIONS OF X, Y WITHSTANDING 5.0N(0.51kgf)FOR  $10 \pm 2$  SECONDS. ELECTRODE SHOULD NOT PEEL OFF. (REFER TO FIGURE AT RIGHT)
 
4. HEAT ENDURANCE TEST : REFER TO S-074-5002.
5. DIELECTRIC STRENGTH : NO APPARENT AT 100V D.C. FOR 1 MINUTE BETWEEN COIL-CORE.
6. INSULATING RESISTANCE : OVER 100 M $\Omega$  AT 100V D.C. BETWEEN COIL-CORE.
7. INDUCTANCE TEMPERATURE COEFFICIENT : ( 0 ~ 2000 ) $\times 10^{-6}/^{\circ}\text{C}$  ( -25 ~ + 80 °C )
8. HUMIDITY TEST : INDUCTANCE DEVIATION WITHIN  $\pm 5.0$  %  
 AFTER 96 HOURS IN 90 ~ 95 % RELATIVE HUMIDITY AT  $40 \pm 2^{\circ}\text{C}$  AND 1 HOUR DRYING UNDER NORMAL CONDITION.
9. VIBRATION TEST : INDUCTANCE DEVIATION WITHIN  $\pm 3.0$  % AFTER VIBRATION FOR 1 HOUR.  
 IN EACH OF THREE ORIENTATIONS AT SWEEP VIBRATION (10~55~10 Hz) WITH 1.5 mm P-P AMPLITUDE.
10. SHOCK TEST : INDUCTANCE DEVIATION WITHIN  $\pm 3.0$  %  
 AFTER DROP DOWN WITH 981m/s<sup>2</sup>(100G) SHOCK ATTITUDE UPON A RUBBER BLOCK METHOD SHOCK TESTING MACHINE, FOR 1 TIME, IN EACH OF THREE ORIENTATIONS.

15 th FEB . , 1996

| C H K . | C H K . | D R G . |
|---------|---------|---------|
| KOMA    |         |         |
| ITA     | MAKABE  | MONMA   |
|         |         | M       |

DRG. NO.

3/5

S-074-525

# SPECIFICATION

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

## ELECTRICAL CHARACTERISTICS

| NO. | PART NO.      | STAMP | INDUCTANCE<br>[WITHIN]<br>※1 | D.C.R.<br>( $\Omega$ , at 20°C)<br>※2 | RATED<br>CURRENT<br>(A) ※3 | SUMIDA<br>CODE |
|-----|---------------|-------|------------------------------|---------------------------------------|----------------------------|----------------|
| 01  | CDRH62B-2R9NC | 2R9   | 2.9 $\mu$ H + 40 %<br>- 20 % | 68 m (50 m)                           | 1.94                       | 4742-0255      |
| 02  | CDRH62B-4R0NC | 4R0   | 4.0 $\mu$ H + 40 %<br>- 20 % | 80 m (59 m)                           | 1.63                       | 4742-0266      |
| 03  | CDRH62B-5R5NC | 5R5   | 5.5 $\mu$ H + 40 %<br>- 20 % | 96 m (71 m)                           | 1.40                       | 4742-0277      |
| 04  | CDRH62B-6R3NC | 6R3   | 6.3 $\mu$ H + 40 %<br>- 20 % | 0.10 (77m)                            | 1.30                       | 4742-0288      |
| 05  | CDRH62B-7R1NC | 7R1   | 7.1 $\mu$ H + 40 %<br>- 20 % | 0.11 (81m)                            | 1.22                       | 4742-0299      |
| 06  | CDRH62B-8R0NC | 8R0   | 8.0 $\mu$ H + 40 %<br>- 20 % | 0.12 (87m)                            | 1.15                       | 4742-0301      |
| 07  | CDRH62B-100MC | 100   | 10 $\mu$ H $\pm$ 20 %        | 0.15 (0.11)                           | 1.10                       | 4742-0312      |
| 08  | CDRH62B-120MC | 120   | 12 $\mu$ H $\pm$ 20 %        | 0.20 (0.15)                           | 1.00                       | 4742-0323      |
| 09  | CDRH62B-150MC | 150   | 15 $\mu$ H $\pm$ 20 %        | 0.23 (0.17)                           | 0.90                       | 4742-0334      |
| 10  | CDRH62B-180MC | 180   | 18 $\mu$ H $\pm$ 20 %        | 0.27 (0.20)                           | 0.80                       | 4742-0345      |
| 11  | CDRH62B-220MC | 220   | 22 $\mu$ H $\pm$ 20 %        | 0.34 (0.25)                           | 0.74                       | 4742-0356      |
| 12  | CDRH62B-270MC | 270   | 27 $\mu$ H $\pm$ 20 %        | 0.38 (0.29)                           | 0.66                       | 4742-0367      |
| 13  | CDRH62B-330MC | 330   | 33 $\mu$ H $\pm$ 20 %        | 0.45 (0.33)                           | 0.59                       | 4742-0378      |
| 14  | CDRH62B-390MC | 390   | 39 $\mu$ H $\pm$ 20 %        | 0.49 (0.37)                           | 0.54                       | 4742-0389      |
| 15  | CDRH62B-470MC | 470   | 47 $\mu$ H $\pm$ 20 %        | 0.69 (0.51)                           | 0.50                       | 4742-0390      |
| 16  | CDRH62B-560MC | 560   | 56 $\mu$ H $\pm$ 20 %        | 0.78 (0.58)                           | 0.46                       | 4742-0401      |
| 17  | CDRH62B-680MC | 680   | 68 $\mu$ H $\pm$ 20 %        | 1.07 (0.83)                           | 0.42                       | 4742-0412      |
| 18  | CDRH62B-820MC | 820   | 82 $\mu$ H $\pm$ 20 %        | 1.21 (0.93)                           | 0.38                       | 4742-0423      |
| 19  | CDRH62B-101MC | 101   | 100 $\mu$ H $\pm$ 20 %       | 1.39 (1.07)                           | 0.34                       | 4742-0434      |
| 20  | CDRH62B-121MC | 121   | 120 $\mu$ H $\pm$ 20 %       | 1.90 (1.46)                           | 0.31                       | 4742-0445      |
| 21  | CDRH62B-151MC | 151   | 150 $\mu$ H $\pm$ 20 %       | 2.18 (1.68)                           | 0.28                       | 4742-0456      |
| 22  | CDRH62B-181MC | 181   | 180 $\mu$ H $\pm$ 20 %       | 2.77 (2.13)                           | 0.26                       | 4742-0467      |
| 23  | CDRH62B-221MC | 221   | 220 $\mu$ H $\pm$ 20 %       | 3.12 (2.40)                           | 0.23                       | 4742-0478      |
| 24  | CDRH62B-271MC | 271   | 270 $\mu$ H $\pm$ 20 %       | 4.38 (3.37)                           | 0.22                       | 4742-0489      |
| 25  | CDRH62B-331MC | 331   | 330 $\mu$ H $\pm$ 20 %       | 4.94 (3.80)                           | 0.19                       | 4742-0491      |

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

※2: D.C.R. ( ) TYPICAL BALUE.



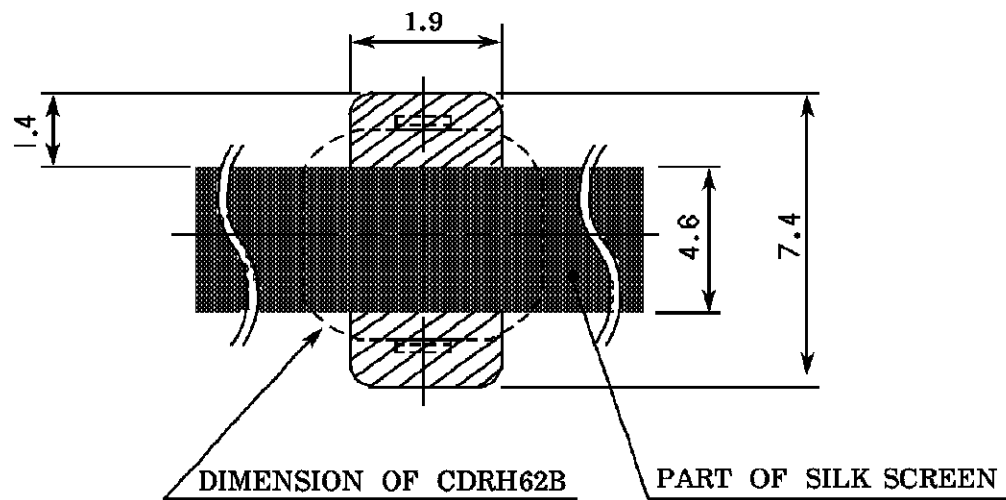
※3: THIS INDICATES THE VALUE OF CURRENT WHEN THE INDUCTANCE IS 75% MORE THAN IT'S NOMINAL VALUE AND TEMPERATURE RISING  $\Delta t = 40^{\circ}\text{C}$  LOWER AT D. C. SUPERPOSITION. ( $T_a = 20^{\circ}\text{C}$ )

|                    |        |            |             |      |                                 |
|--------------------|--------|------------|-------------|------|---------------------------------|
| 15 th FEB . , 1996 |        |            | SUMIDA CODE | 4742 | DEG NO.<br><br><b>S-074-525</b> |
| C H K.             | C H K. | D R G.     |             |      |                                 |
| KOMA<br>ITA        | MAKABE | MONMA<br>M |             |      |                                 |

SPECIFICATION

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

DIMENSION RECOMMENDED (mm)



PLEASE COAT WITH SILK BETWEEN ELECTRODE . ⚠

15 th FEB . , 1996

|        |        |        |
|--------|--------|--------|
| C H K. | C H K. | D R G. |
| KOMA   |        |        |
| ITA    | MAKABE | MONMA  |
|        |        | M      |

|           |     |
|-----------|-----|
| DRG. NO.  | 5/5 |
| S-074-525 |     |

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

- ⊖ View [CDRH62B-7R1NC](#) on WIN SOURCE
- ⊖ [Sumida America Components Inc.](#) Information

## Optimize Your Supply Chain with WIN SOURCE Solutions

- ✓ Global Sourcing Solution
- ✓ Obsolete Management
- ✓ Cost Control Management
- ✓ Shortage Management
- ✓ Alternative Solution
- ✓ Excess Inventory Management