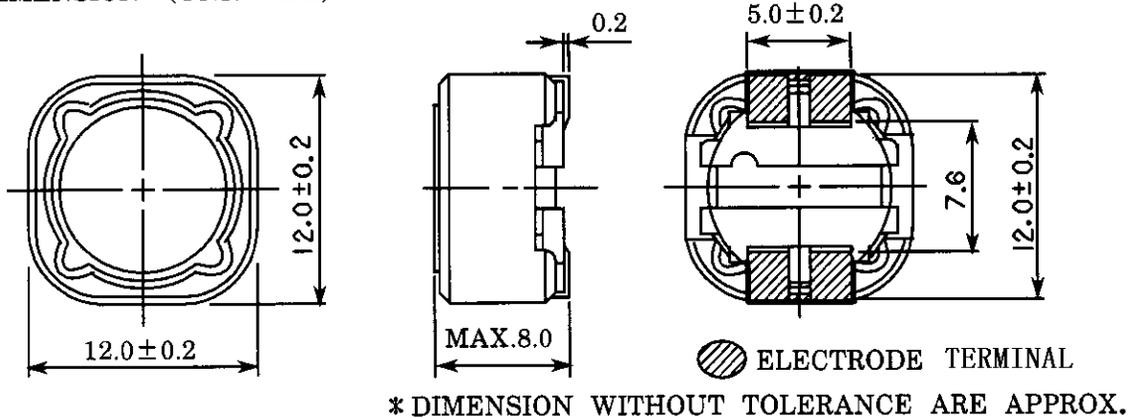
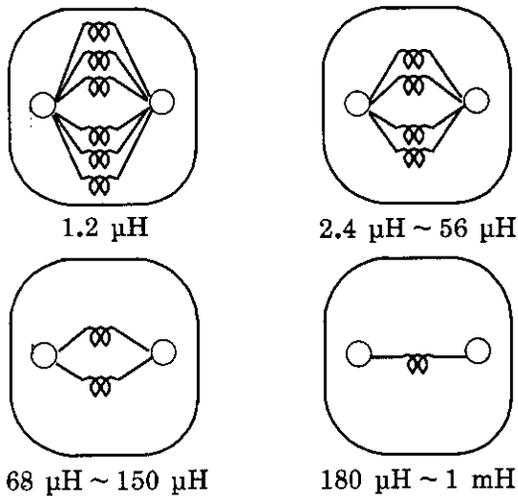


| | | |
|----------------------|------------------------|--------------------------------------|
| SPECIFICATION | | |
| | SUMIDA TYPE CDRH127 | PART NO. REF. TO THE ATTACHED SHEET. |

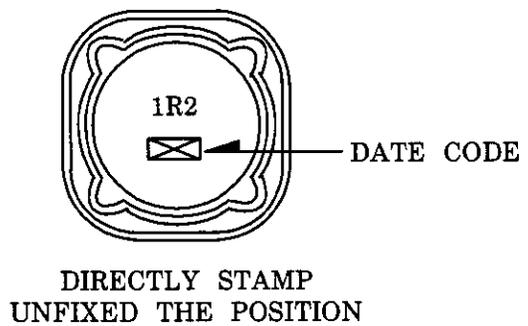
1. DIMENSION (UNIT mm)



2. CONNECTION (BOTTOM)

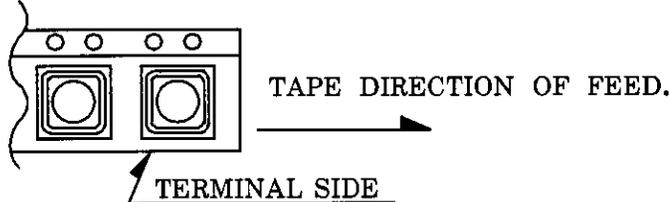


3. STAMP (Ex.)



4. NOTE

- * PLEASE DO NOT USE A WASHING AGENT.
- * ENCLOSING CONDITION OF COILS.



* CARRIER TAPE PACKING SPECIFICATION IN DETAIL.(S-074-512)

* RECOMMENDATION

DUE TO THE COIL HEAVY WEIGHT. PLEASE APPLY BOND BETWEEN THIS COIL PART AND P.C.B. WHEN FIXED ONTO THE PCB.

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

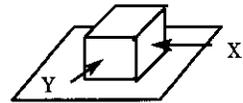
| | | | | |
|--------------------|--------|------------|---------------------|-----------------|
| 17 th SEP . , 1996 | | | SUMIDA CODE 4739 | DRG. NO. 2/6 |
| C H K. | C H K. | D R G. | S-074-516 | |
| O.SATO | MAKABE | MONMA M | | |

GENERAL CHARACTERISTICS

| |
|-----------------|
| TYPE CDRH127 |
|-----------------|

△5

1. OPERATING TEMPERATURE : -40 ~ +100 °C (COIL CONTAIN HEAT)
2. EXTERNAL APPEARANCE : ON VISUAL INSPECTION, THE COIL HAS NO EXTERNAL DEFECTS.
3. ELECTRODE STRENGTH △: AFTER SOLDERING, BETWEEN COPPER PLATE AND ELECTRODE OF COIL, PUSH IN TWO DIRECTIONS OF X, Y WITHSTANDING 5.0N FOR 10 ± 2 SECONDS. ELECTRODE SHOULD NOT PEEL OFF. (REFER TO FIGURE AT RIGHT)
4. HEAT ENDURANCE TEST: REFER TO THE S-074-5002.
5. DIELECTRIC STRENGTH : △ NO APPARENT AT 100V D.C. (LEAK CURRENT: 1.0mA) FOR 1 MINUTE BETWEEN COIL-CORE.
6. INSULATING RESISTANCE : OVER 100MΩ AT 100V D.C. BETWEEN COIL-CORE.
7. INDUCTANCE TEMPERATURE COEFFICIENT : (0 ~ 2000) × 10⁻⁶/°C (-25 ~ + 80°C)
8. HUMIDITY TEST : INDUCTANCE DEVIATION WITHIN ± 5.0 %
AFTER 96 HOURS IN 90 ~ 95 % RELATIVE HUMIDITY AT 40 ± 2°C AND 1 HOUR DRYING UNDER NORMAL CONDITION.
9. VIBRATION TEST : INDUCTANCE DEVIATION WITHIN ± 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 ± 3.0 % AFTER DROP DOWN WITH 981m/s² SHOCK ATTITUDE UPON A RUBBER BLOCK METHOD SHOCK TESTING MACHINE, FOR 1 TIME, IN EACH OF THREE ORIENTATIONS.



7 th SEP . , 1995

| | | |
|------|---------|-------|
| CHK. | CHK. | DRG. |
| KOMA | | |
| ITA | Y.OKADA | MONMA |
| | | M |

| | |
|-----------|-----|
| DRG. NO. | 3/6 |
| S-074-516 | |

SPECIFICATION

| |
|-----------------|
| TYPE CDRH127 |
|-----------------|

ELECTRICAL CHARACTERISTICS

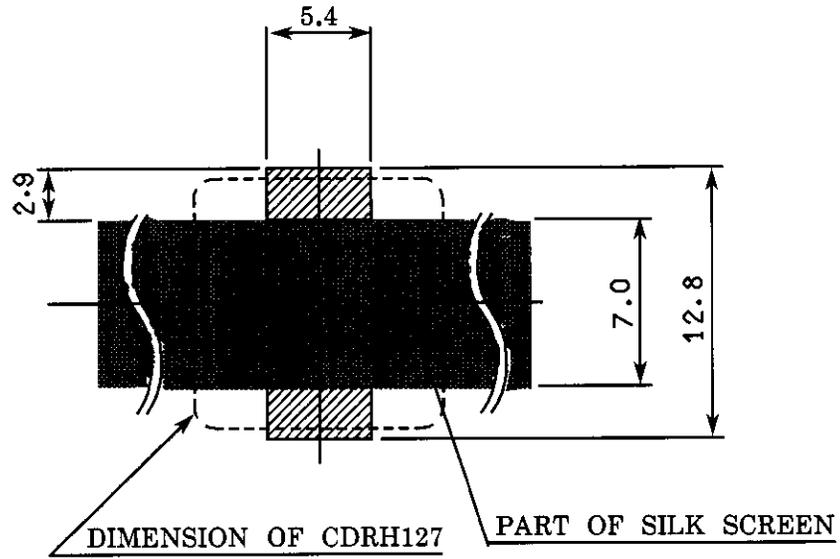
| NO. | PART NO. | STAMP | INDUCTANCE [WITHIN] | RATED CURRENT (A) ※1 | D.C.R. (Ω, at 20°C) MAX. (TYP.) | SUMIDA CODE |
|-----|---------------|-------|---|----------------------------|---------------------------------------|----------------|
| 01 | CDRH127-1R2NC | 1R2 | 1.2 μH $\begin{matrix} + 40 \\ - 20 \end{matrix}$ % | 9.80 | 7.0 m (5.2 m) | 4739-0012 |
| 02 | CDRH127-2R4NC | 2R4 | 2.4 μH $\begin{matrix} + 40 \\ - 20 \end{matrix}$ % | 8.00 | 11.5 m (8.5 m) | 4739-0023 |
| 03 | CDRH127-3R5NC | 3R5 | 3.5 μH $\begin{matrix} + 40 \\ - 20 \end{matrix}$ % | 7.50 | 13.5 m (10.0 m) | 4739-0034 |
| 04 | CDRH127-4R7NC | 4R7 | 4.7 μH $\begin{matrix} + 40 \\ - 20 \end{matrix}$ % | 6.80 | 15.8 m (11.7 m) | 4739-0045 |
| 05 | CDRH127-6R1NC | 6R1 | 6.1 μH $\begin{matrix} + 40 \\ - 20 \end{matrix}$ % | 6.60 | 17.6 m (13.0 m) | 4739-0056 |
| 06 | CDRH127-7R6NC | 7R6 | 7.6 μH $\begin{matrix} + 40 \\ - 20 \end{matrix}$ % | 5.90 | 20.0 m (15.0 m) | 4739-0067 |
| 07 | CDRH127-100MC | 100 | 10 μH \pm 20 % | 5.40 | 21.6 m (16.0 m) | 4739-0078 |
| 08 | CDRH127-120MC | 120 | 12 μH \pm 20 % | 4.90 | 24.3 m (18.0 m) | 4739-0089 |
| 09 | CDRH127-150MC | 150 | 15 μH \pm 20 % | 4.50 | 27.0 m (20.0 m) | 4739-0091 |
| 10 | CDRH127-180MC | 180 | 18 μH \pm 20 % | 3.90 | 39.2 m (29.0 m) | 4739-0102 |
| 11 | CDRH127-220MC | 220 | 22 μH \pm 20 % | 3.60 | 43.2 m (32.0 m) | 4739-0113 |
| 12 | CDRH127-270MC | 270 | 27 μH \pm 20 % | 3.40 | 45.9 m (34.0 m) | 4739-0124 |
| 13 | CDRH127-330MC | 330 | 33 μH \pm 20 % | 3.00 | 64.8 m (48.0 m) | 4739-0135 |
| 14 | CDRH127-390MC | 390 | 39 μH \pm 20 % | 2.75 | 72.9 m (54.0 m) | 4739-0146 |
| 15 | CDRH127-470MC | 470 | 47 μH \pm 20 % | 2.50 | 0.10 (76.0 m) | 4739-0157 |
| 16 | CDRH127-560MC | 560 | 56 μH \pm 20 % | 2.35 | 0.11 (83.0 m) | 4739-0281 |
| 17 | CDRH127-680MC | 680 | 68 μH \pm 20 % | 2.10 | 0.14 (0.10) | 4739-0292 |
| 18 | CDRH127-820MC | 820 | 82 μH \pm 20 % | 1.95 | 0.16 (0.12) | 4739-0303 |
| 19 | CDRH127-101MC | 101 | 100 μH \pm 20 % | 1.70 | 0.22 (0.17) | 4739-0314 |
| 20 | CDRH127-121MC | 121 | 120 μH \pm 20 % | 1.60 | 0.25 (0.18) | 4739-0325 |

| | | | | |
|--------------------|--------|------------|--|------|
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| C H K. | C H K. | D R G. | DEG NO. 4/6 | |
| O.SATO | MAKABE | MONMA M | | |
| | | | S-074-516 | |

SPECIFICATION

| | |
|------|---------|
| TYPE | CDRH127 |
|------|---------|

DIMENSION RECOMMENDED (mm)



PLEASE COAT WITH SILK BETWEEN ELECTRODE. \triangle

7 th SEP . , 1995

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

| | |
|-----------|-----|
| DRG. NO. | 6/6 |
| S-074-516 | |