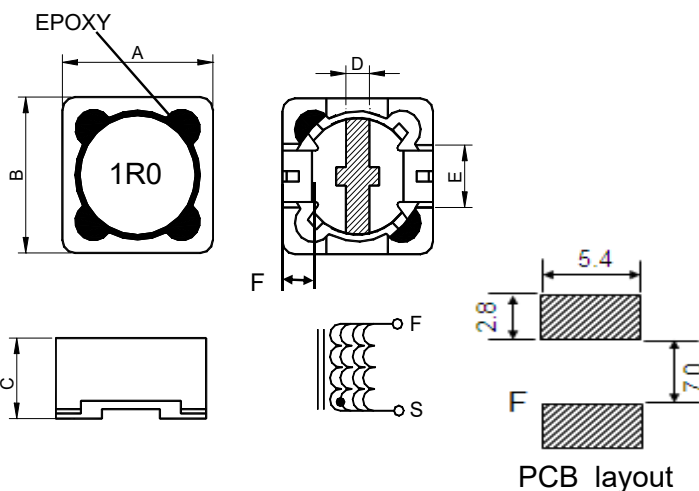


## SPECIFICATION FOR APPROVAL

|          |                     |             |              |
|----------|---------------------|-------------|--------------|
| CUSTOMER |                     | CUST P/N.   |              |
| ITEM     | SMD Power Inductors | Description | CDRH127N-1R0 |
| PART NO. |                     | DATE        | 2022.9.5     |

**(1) DIMENSION(UNIT:mm)**



|   |            |    |
|---|------------|----|
| A | 12.2 ± 0.3 | mm |
| B | 12.2 ± 0.3 | mm |
| C | 8.0MAX     | mm |
| D | 1.7 ± 0.5  | mm |
| E | 5.0 ± 0.2  | mm |
| F | 2.2 ± 0.2  | mm |
| G |            | mm |
| H |            | mm |

**(2) ELECTRICAL REQUIREMENTS**

| TEST CONDITION   |                | FREQUENCY        |      | (3) TEST INSTRUMENTS |   |
|------------------|----------------|------------------|------|----------------------|---|
|                  |                | VOLTAGE          |      | LCR-METER:           |   |
| L                | 1.0μH+40%/-30% | 100KHz           | 0.1V | V                    | WK3260B<br>TH2816B                            |
| DCR              | 6.5mΩ (Max)    | KHz              | V    | V                    | DC RESISTANCE METER:<br>WK3260B               |
| IDC              | 16.0A (Max)    | 100KHz           | 0.1V | V                    | CURRENT SOURCE:<br>TH2816B+1320               |
| L <sub>IDC</sub> | drop 35% (TYP) | 100KHz           | 0.1V | V                    | RFIMPEDANCE/MATERIAL ANALYZER<br>TH2816B+1320 |
| HI-P             | WDG TO CORE    | 100VDC 2mA 2SEC  |      |                      | 9071A   |
| IR               | WDG TO CORE    | 100mΩMIN<br>100V |      |                      | 9071A   |

**(4) TURN: TS(REF)**

**(5) MATERIAL LIST**

| ITEM | MATERIAL | DESCRIPTION |
|------|----------|-------------|
| 1    | CORE     |             |
| 2    | COAT     |             |
| 3    | WIRE     |             |
| 4    | INK      |             |
| 5    | EPOXY    |             |

|         |          |         |          |
|---------|----------|---------|----------|
| REMARK: | APPROVED | CHECKED | DRAWN BY |
|         | 姜杰文      | 姜法寶     | 王艷       |

## TEST DATA FOR PREPRODUCTION SAMPLES

|                   |                             |             |                             |              |              |  |          |            |          |      |  |
|-------------------|-----------------------------|-------------|-----------------------------|--------------|--------------|--|----------|------------|----------|------|--|
| CUSTOMER:         |                             |             |                             | Part No.     |              |  |          | Test Q'ty: | 5        | PCS  |  |
| CUST P/N.         |                             |             |                             | Description: | CDRH127N-1R0 |  |          | Date:      | 2022.9.5 |      |  |
| MEASURE ITEM      | L<br>(μH)                   | DCR<br>(mΩ) | A<br>(mm)                   | B<br>(mm)    | C<br>(mm)    |  |          |            |          |      |  |
| SPECIFIC          | 1.0                         | 6.5         | 12.2                        | 12.2         | 8.0          |  |          |            |          |      |  |
| SUGGEST           | 40%/-20%                    | Max         | ±0.3                        | ±0.3         | MAX          |  |          |            |          |      |  |
| 1                 | 1.10                        | 5.62        | 12.20                       | 12.40        | 7.65         |  |          |            |          |      |  |
| 2                 | 1.06                        | 5.63        | 12.28                       | 12.29        | 7.58         |  |          |            |          |      |  |
| 3                 | 1.08                        | 5.68        | 12.29                       | 12.30        | 7.60         |  |          |            |          |      |  |
| 4                 | 1.06                        | 5.64        | 12.33                       | 12.20        | 7.63         |  |          |            |          |      |  |
| 5                 | 1.09                        | 5.61        | 12.26                       | 12.28        | 7.61         |  |          |            |          |      |  |
| 6                 |                             |             |                             |              |              |  |          |            |          |      |  |
| 7                 |                             |             |                             |              |              |  |          |            |          |      |  |
| 8                 |                             |             |                             |              |              |  |          |            |          |      |  |
| 9                 |                             |             |                             |              |              |  |          |            |          |      |  |
| 10                |                             |             |                             |              |              |  |          |            |          |      |  |
| X                 |                             |             |                             |              |              |  |          |            |          |      |  |
| R                 |                             |             |                             |              |              |  |          |            |          |      |  |
| TEST<br>CONDITION | INSTRUMENTS:                |             | TH2816B                     |              |              |  |          | AT:        | 100KHz   | 0.1V |  |
|                   | ENVIORMENTS:                |             | TEMP:25 degree HUMDITY :65% |              |              |  |          |            |          |      |  |
|                   | STORAGE TEMPERATURE RANGE   |             |                             |              | -40°C~+125°C |  |          |            |          |      |  |
|                   | OPERATING TEMPERATURE RANGE |             |                             |              | -40°C~+125°C |  |          |            |          |      |  |
| REMARK:           |                             |             |                             |              |              |  | APPROVED | CHECKED    | DRAWN BY |      |  |
|                   |                             |             |                             |              |              |  | 姜杰文      | 姜法寶        | 王艷       |      |  |

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Fixed Inductors](#) category:*

*Click to view products by [MINGSTAR](#) manufacturer:*

Other Similar products are found below :

[CR32NP-100KC](#) [CR54NP-470LC](#) [70F224AI](#) [MGDQ4-00004-P](#) [MHQ1005P10NJ](#) [MHQ1005P1N0S](#) [MHQ1005P2N4S](#) [MHQ1005P3N6S](#)  
[MHQ1005P5N1S](#) [MHQ1005P8N2J](#) [PE-53601NL](#) [PE-53602NL](#) [PG0936.113NLT](#) [9220-20](#) [9310-16](#) [PM06-2N7](#) [PM06-39NJ](#) [A01TK](#)  
[1206CS-471XJ](#) [HC2-R47-R](#) [HC8-1R2-R](#) [HCF1305-3R3-R](#) [1206CS-151XG](#) [RCH664NP-140L](#) [RCH664NP-4R7M](#) [RCP1317NP-391L](#)  
[RCR110DNP-331L](#) [DH2280-4R7M](#) [DS1608C-106](#) [B10TJ](#) [B82498B3101J000](#) [ELJ-RE27NJF2](#) [1812CS-153XJ](#) [1812CS-183XJ](#) [1812CS-](#)  
[223XJ](#) [1812LS-104XJ](#) [1812LS-105XJ](#) [1812LS-124XJ](#) [1812LS-154XJ](#) [1812LS-223XJ](#) [1812LS-224XJ](#) [1812LS-563XJ](#) [1812LS-683XJ](#)  
[1812LS-824XJ](#) [NIN-FB101JTR110F](#) [NIN-FB471JTR62F](#) [NIN-FC1R5JTR220F](#) [NIN-HCR15JTRF](#) [NIN-HCR33JTRF](#) [NIN-HDR22JTRF](#)