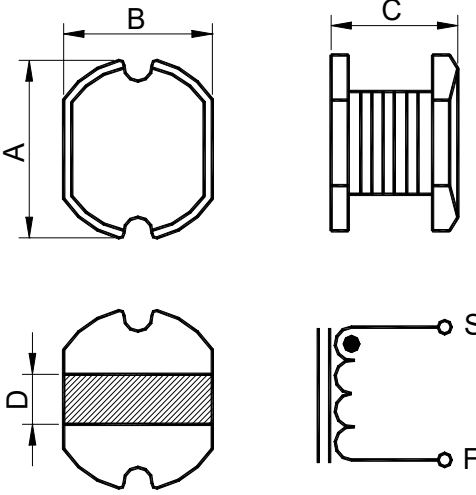


## SPECIFICATION FOR APPROVAL

|                                                                                   |                     |             |                |
|-----------------------------------------------------------------------------------|---------------------|-------------|----------------|
| CUSTOMER                                                                          |                     | CUST P/N.   |                |
| ITEM                                                                              | SMD Power Inductors | Description | CD32N-1R0M     |
| PART NO.                                                                          | 306-89466           | DATE        | 2018.05.15     |
| (1) DIMENSION(UNIT:mm)                                                            |                     |             |                |
|  |                     |             | A 3.5 ± 0.5 mm |
|                                                                                   |                     |             | B 3.0 ± 0.5 mm |
|                                                                                   |                     |             | C 2.1 ± 0.5 mm |
|                                                                                   |                     |             | D 1.0±0.3 mm   |
|                                                                                   |                     |             | E mm           |
|                                                                                   |                     |             | F mm           |
|                                                                                   |                     |             | G mm           |
|                                                                                   |                     |             | H mm           |

### (2)ELECTRICAL REQUIREMENTS

| TEST<br>CONDITION |                                               | FREQUENCY | (3) TEST INSTRUMENTS |                                 |
|-------------------|-----------------------------------------------|-----------|----------------------|---------------------------------|
|                   |                                               | VOLTAGE   | LCR-METER:           |                                 |
| L                 | 1.0μH±20%                                     | 100KHz 1V | V                    | HP-4291A<br>HP2816B             |
| DCR               | 0.045Ω (Max)                                  | KHz V     | V                    | DC RESISTANCE METER:<br>WK3260B |
| Isat              | 2.8A Based on inductance change(ΔL/L0:30%TYP) | 100KHz 1V | V                    | LCR-METER:<br>TH2816+1320       |
| Irms              | 2.5A (温升为40℃ TYP)                             | 100KHz 1V | V                    | LCR-METER:<br>TH2816+1320       |
|                   |                                               |           |                      |                                 |

### (4)TURN: 7TS(REF)

### (5)MATERIAL LIST

| ITEM | MATERIAL | DESCRIPTION      |
|------|----------|------------------|
| 1    | CORE     | CDR 3.5×2.1 (ST) |
| 2    | WIRE     | Ø0.21mm(2UEW-H)  |
| 3    | SOLDER   | Sn-Cu            |

REMARK:

APPROVED

CHECKED

DRAWN BY

姜杰文

姜法寶

王艷

**MINGSTAR ELECTRONIC CORP.**