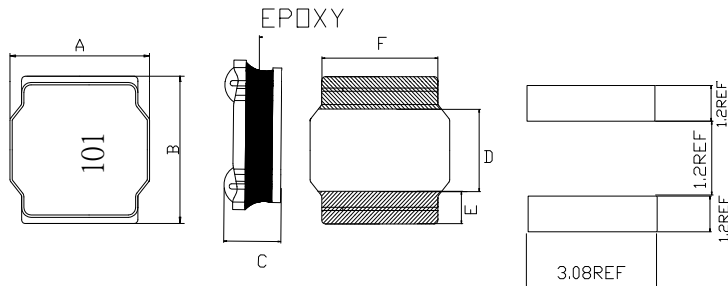


SPECIFICATION FOR APPROVAL

| | | | |
|----------|---------------------|-------------|--------------|
| CUSTOMER | | CUST P/N. | |
| ITEM | SMD Power Inductors | Description | UT3015N-101M |
| PART NO. | 305-97019 | DATE | 2021.7.28 |

(1) DIMENSION(UNIT:mm)



| | | |
|----------|-----------|----|
| A | 3.0±0.2 | mm |
| B | 3.0±0.2 | mm |
| C | 1.5 (Max) | mm |
| D | 1.5REF | mm |
| E | 0.9REF | mm |
| F | 2.78REF | mm |
| | | mm |
| | | mm |

(2) ELECTRICAL REQUIREMENTS

| TEST CONDITION | | FREQUENCY | | (3) TEST INSTRUMENTS | |
|----------------|--------------------------|-----------|------|--------------------------------------|-------------|
| | | VOLTAGE | | LCR-METER: | |
| L | 100.0μH±20% | 100KHz | 1.0V | | WK3260B |
| | | | | V | TH2816 |
| DCR | 3Ω±30% | KHz | V | DC RESISTANCE METER: | |
| | | | | V | WK3260B |
| Isat | 0.1A(Max)at L drop30%TYP | 100KHz | 1.0V | CURRENT SOURCE: | |
| | | | | V | TH2816+1320 |
| | | 100KHz | 1.0V | RFIMPEDANCE/MATERIAL ANALYZER | |
| | | | | V | TH2816+1320 |
| | | MHz | V | GW PUNCTURE INSULATION TESTER | |
| | | | | | |

(4) TURN:TS(REF)

(5) MATERIAL LIST

| ITEM | DESCRIPTION | REMARKS |
|------|-------------|---------|
| 1 | CORE | |
| 2 | WIRE | |
| 3 | EPOXY | |
| 4 | INK | |

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

TEST DATA FOR PREPRODUCTION SAMPLES

| | | | | | | | |
|-------------------|-----------------------------|---------------------|-----------------------------|-----------------------------------|-----------|----------|-------------|
| CUSTOMER: | | Part No. | 305-97019 | Test Q'ty: | 10 | PCS | |
| CUST P/N. | | Description: | UT3015N-101M | Date: | 2021.7.28 | | |
| MEASURE ITEM | L (μ H) | DCR (Ω) | A (mm) | B (mm) | C (mm) | | |
| SPECIFIC | 100.0 | 3.0 | 3.0 | 3.0 | 1.5 | | |
| SUGGEST | $\pm 20\%$ | $\pm 30\%$ | ± 0.2 | ± 0.2 | Max | | |
| 1 | 102.00 | 2.89 | 3.05 | 3.11 | 1.39 | | |
| 2 | 101.00 | 2.85 | 3.06 | 3.01 | 1.38 | | |
| 3 | 99.80 | 2.87 | 3.09 | 2.99 | 1.38 | | |
| 4 | 98.90 | 2.86 | 3.03 | 2.99 | 1.40 | | |
| 5 | 99.60 | 2.89 | 3.04 | 3.02 | 1.42 | | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |
| X | | | | | | | |
| R | | | | | | | |
| TEST CONDITION | INSTRUMENTS: | | WK3260B | | | AT: | 100KHz 1.0V |
| | ENVIORNENTS: | | TEMP:25 degree HUMDITY :65% | | | | |
| | STORAGE TEMPERATURE RANGE | | | -40 $^{\circ}$ C~+85 $^{\circ}$ C | | | |
| | OPERATING TEMPERATURE RANGE | | | -25 $^{\circ}$ C~+85 $^{\circ}$ C | | | |
| REMARK: | | | | APPROVED | CHECKED | DRAWN BY | |
| | | | | 姜杰文 | 姜法寶 | 王艷 | |

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