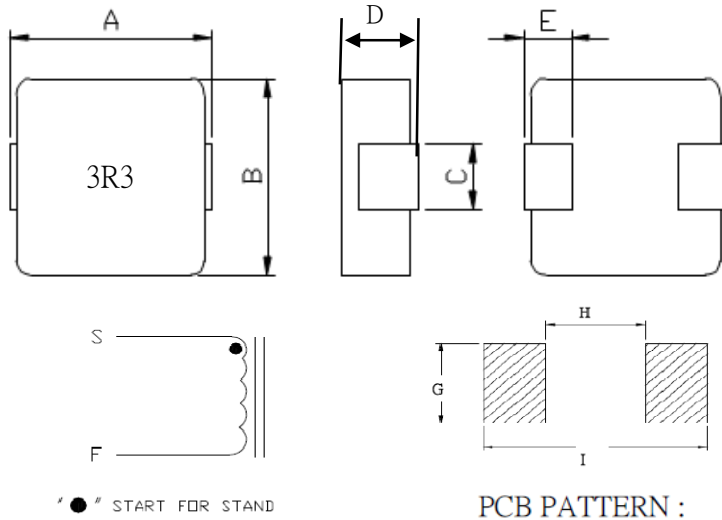


SPECIFICATION FOR APPROVAL

| | | | |
|----------|---------------------|-------------|----------------|
| CUSTOMER | | CUST P/N. | |
| ITEM | SMD POWER INDUCTORS | Description | NBMC0650N-3R3M |
| PART NO. | | DATE | 2022.5.25 |

(1) DIMENSION(UNIT:mm)



| | | |
|----------|----------|----|
| A | 7.3±0.3 | mm |
| B | 6.6±0.3 | mm |
| C | 3.0±0.3 | mm |
| D | 5.0(Max) | mm |
| E | 1.6±0.3 | mm |
| H | 3.7REF | mm |
| G | 3.5REF | mm |
| I | 8.4REF | mm |

(2)ELECTRICAL REQUIREMENTS

| TEST CONDITION | | FREQUENCY | | (3) TEST INSTRUMENTS | |
|----------------|-----------------------------------|-----------|------|----------------------|--------------|
| | | VOLTAGE | | LCR-METER: | |
| L | 3.3μH ± 20% | 100KHz | 1.0V | | WK3260B |
| | | | | V | TH2816B |
| DCR | 22.0mΩ (Max) | KHz | V | DC RESISTANCE METER: | |
| | | | | V | WK3260B |
| Isat | 10.0A(Max) at L to drop 30% (TYP) | 100KHz | 1.0V | DC RESISTANCE METER: | |
| | | | | V | TH2816B+1320 |
| Irms | 8.5A(Max) Δt ≤ 40°C TYP | 100KHz | 1.0V | DC RESISTANCE METER: | |
| | | | | V | TH2816B+1320 |
| | | | | | |

(4)TURN:

(5)MATERIAL LIST

| ITEM | MATERIAL | SUPPLIER OF THE MATERIAL |
|------|----------|--------------------------|
| | | |
| | | |
| | | |
| | | |

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

TEST DATA FOR PREPRODUCTION SAMPLES

| | | | | | | | |
|-----------------------|-----------------------------|-----------------------------|----------------|------------|-----------|----------|----|
| CUSTOMER: | | Part No. | 0 | Test Q'ty: | 5 | PCS | |
| CUST P/N. | | Description: | NBMC0650N-3R3M | Date: | 2022.5.25 | | |
| MEASURE ITEM | L (uH) | DCR (mΩ) | A (mm) | C (mm) | D (mm) | | |
| SPECIFIC | 0.68 | 4.5 | 7 | 6.6 | 5.0 | | |
| SUGGEST | ±20% | (Max) | ±0.3 | ±0.2 | (Max) | | |
| 1 | 0.67 | 3.91 | 7.02 | 6.62 | 4.85 | | |
| 2 | 0.68 | 3.80 | 7.05 | 6.63 | 4.86 | | |
| 3 | 0.67 | 3.90 | 7.02 | 6.61 | 4.89 | | |
| 4 | 0.65 | 3.85 | 7.06 | 6.62 | 4.89 | | |
| 5 | 0.68 | 3.82 | 7.03 | 6.65 | 4.86 | | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| TEST CONDITIO N | INSTRUMENTS: | WK3260B+TH2816B | | | AT: | 100KHz | 1V |
| | ENVIORNENTS: | 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 | |

MINGSTAR ELECTRONIC CORP.