

SHIELDED SMD POWER INDUCTORS / NR TYPE

FEATURES

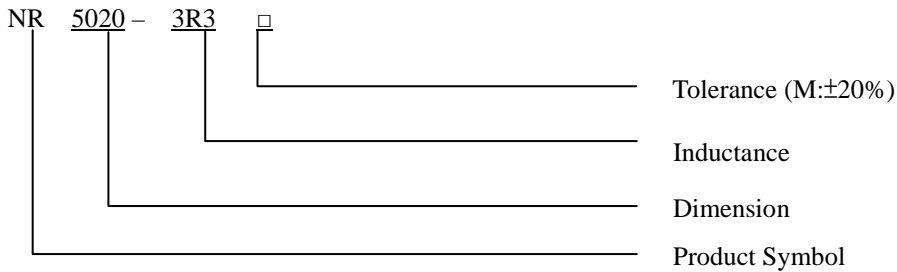
- ◆ Low profile construction and miniature size
- ◆ Magnetic shielded construction
- ◆ High current saturation
- ◆ For new generation portable product D/D converter unit.



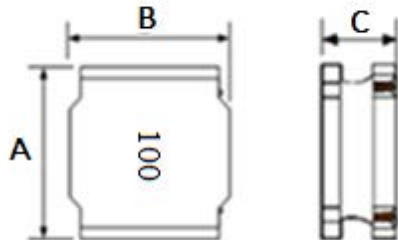
APPLICATIONS

- ◆ For small DC/DC converter (cellular phone, HDD, DVC, DSC, LCD display etc).

ORDERING CODE



DIMENSIONS (UNIT: mm)



| | | |
|---|---------------|-----|
| A | 5.0 ± 0.2 | m/m |
| B | 5.0 ± 0.2 | m/m |
| C | 2.0 (MAX) | m/m |

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ELECTRICAL CHARACTERISTICS FOR NR5020

| Part No. | Inductance (uH) | Test Frequency | RDC (Ω) | IDC (A) |
|--------------|-----------------|----------------|------------------|---------|
| NR5020-1R0 □ | 1.0 | 100KHz | 0.026 | 4.10 |
| NR5020-1R5 □ | 1.5 | 100KHz | 0.034 | 4.00 |
| NR5020-2R2 □ | 2.2 | 100KHz | 0.042 | 3.80 |
| NR5020-2R7 □ | 2.7 | 100KHz | 0.049 | 2.90 |
| NR5020-3R3 □ | 3.3 | 100KHz | 0.056 | 2.55 |
| NR5020-3R9 □ | 3.9 | 100KHz | 0.056 | 2.30 |
| NR5020-4R7 □ | 4.7 | 100KHz | 0.074 | 2.50 |
| NR5020-5R6 □ | 5.6 | 100KHz | 0.083 | 2.30 |
| NR5020-6R8 □ | 6.8 | 100KHz | 0.108 | 2.05 |
| NR5020-8R2 □ | 8.2 | 100KHz | 0.127 | 1.85 |
| NR5020-100 □ | 10 | 100KHz | 0.143 | 1.70 |
| NR5020-120 □ | 12 | 100KHz | 0.182 | 1.50 |
| NR5020-150 □ | 15 | 100KHz | 0.215 | 1.35 |
| NR5020-180 □ | 18 | 100KHz | 0.260 | 1.25 |
| NR5020-220 □ | 22 | 100KHz | 0.294 | 1.15 |
| NR5020-330 □ | 33 | 100KHz | 0.507 | 0.92 |
| NR5020-470 □ | 47 | 100KHz | 0.680 | 0.85 |
| NR5020-560 □ | 56 | 100KHz | 0.819 | 0.77 |
| NR5020-680 □ | 68 | 100KHz | 0.962 | 0.65 |
| NR5020-820 □ | 82 | 100KHz | 1.158 | 0.59 |
| NR5020-101 □ | 100 | 100KHz | 1.430 | 0.53 |
| NR5020-121 □ | 120 | 100KHz | 1.755 | 0.42 |
| NR5020-681 □ | 680 | 100KHz | 10.40 | 0.22 |
| NR5020-821 □ | 820 | 100KHz | 11.70 | 0.20 |

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