

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.



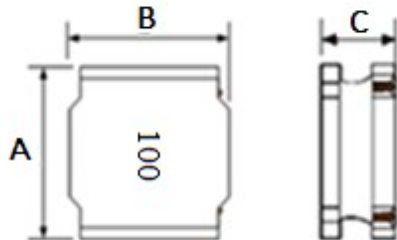
APPLICATIONS

- ◆ 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 | 1.3 (MAX) | m/m |



CORE MASTER ENTERPRISE CO., LTD.

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ELECTRICAL CHARACTERISTICS FOR NR5012

| Part No. | Inductance (uH) | Test Frequency | RDC (Ω) | IDC (A) |
|--------------|-----------------|----------------|------------------|---------|
| NR5012-1R0 □ | 1.0 | 100KHz | 0.068 | 4.40 |
| NR5012-1R5 □ | 1.5 | 100KHz | 0.086 | 3.70 |
| NR5012-2R2 □ | 2.2 | 100KHz | 0.108 | 3.10 |
| NR5012-3R3 □ | 3.3 | 100KHz | 0.151 | 2.40 |
| NR5012-4R7 □ | 4.7 | 100KHz | 0.197 | 2.20 |
| NR5012-6R8 □ | 6.8 | 100KHz | 0.294 | 1.70 |
| NR5012-100 □ | 10 | 100KHz | 0.413 | 1.40 |
| NR5012-150 □ | 15 | 100KHz | 0.523 | 1.20 |
| NR5012-220 □ | 22 | 100KHz | 0.858 | 0.88 |



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