

# SHIELDED SMD POWER INDUCTORS / NR TYPE

## FEATURES

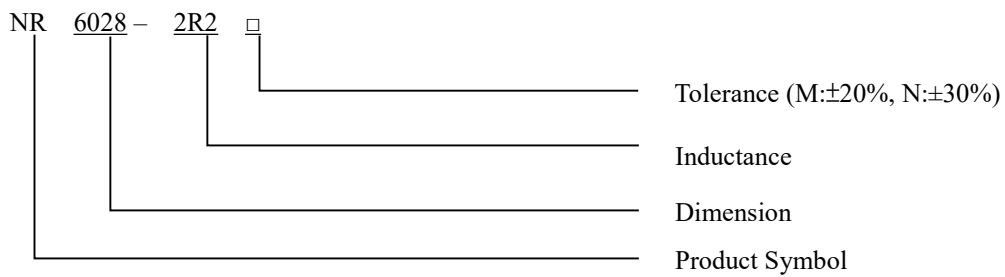
- ◆ Low profile construction and miniature size
- ◆ Magnetic shielded construction
- ◆ High current saturation
- ◆ For new generation portable product D/D converter unit.



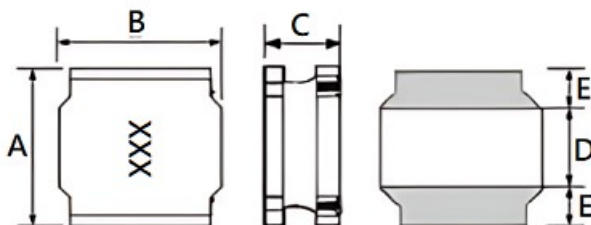
## APPLICATIONS

- ◆ Industrial modules.
- ◆ DC/DC converters, etc.
- ◆ Various categories of consumer electronics.

## ORDERING CODE



## DIMENSIONS (UNIT: mm)



|   |            |     |
|---|------------|-----|
| A | 6.0 ± 0.3  | m/m |
| B | 6.0 ± 0.3  | m/m |
| C | 3.0 (MAX)  | m/m |
| D | 2.40 (REF) | m/m |
| E | 1.85 (REF) | m/m |



CORE MASTER ENTERPRISE CO., LTD.

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### ELECTRICAL CHARACTERISTICS FOR NR6028

| Part No.     | Inductance (uH) | Test Frequency | RDC ( $\Omega$ ) | IDC (A) |
|--------------|-----------------|----------------|------------------|---------|
| NR6028-1R0 □ | 1.0             | 100KHz         | 0.016            | 6.70    |
| NR6028-1R5 □ | 1.5             | 100KHz         | 0.020            | 6.00    |
| NR6028-2R2 □ | 2.2             | 100KHz         | 0.026            | 5.10    |
| NR6028-3R3 □ | 3.3             | 100KHz         | 0.033            | 3.63    |
| NR6028-4R7 □ | 4.7             | 100KHz         | 0.039            | 3.00    |
| NR6028-5R6 □ | 5.6             | 100KHz         | 0.056            | 2.80    |
| NR6028-6R8 □ | 6.8             | 100KHz         | 0.061            | 2.60    |
| NR6028-8R2 □ | 8.2             | 100KHz         | 0.072            | 2.40    |
| NR6028-100 □ | 10              | 100KHz         | 0.094            | 2.20    |
| NR6028-120 □ | 12              | 100KHz         | 0.104            | 1.95    |
| NR6028-150 □ | 15              | 100KHz         | 0.143            | 1.85    |
| NR6028-180 □ | 18              | 100KHz         | 0.156            | 1.52    |
| NR6028-220 □ | 22              | 100KHz         | 0.182            | 1.45    |
| NR6028-330 □ | 33              | 100KHz         | 0.241            | 1.35    |
| NR6028-470 □ | 47              | 100KHz         | 0.364            | 1.15    |
| NR6028-560 □ | 56              | 100KHz         | 0.442            | 1.05    |
| NR6028-680 □ | 68              | 100KHz         | 0.458            | 0.95    |
| NR6028-820 □ | 82              | 100KHz         | 0.650            | 0.80    |
| NR6028-101 □ | 100             | 100KHz         | 0.715            | 0.75    |
| NR6028-681 □ | 680             | 100KHz         | 5.070            | 0.28    |
| NR6028-102 □ | 1000            | 100KHz         | 7.410            | 0.18    |



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