

# SHIELDED SMD POWER INDUCTORS / NR TYPE

## FEATURES

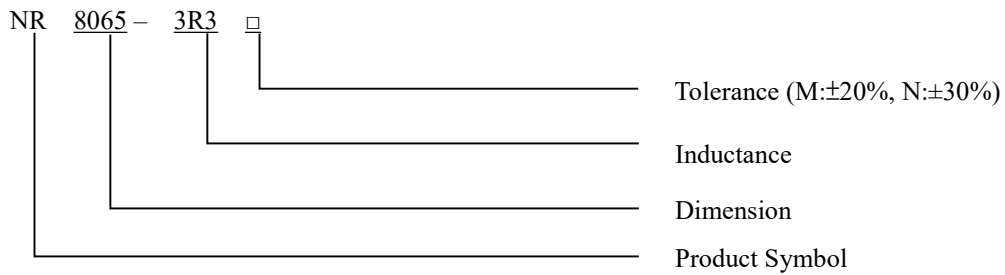
- ◆ Low profile construction and miniature size
- ◆ Magnetic shielded construction
- ◆ High current saturation
- ◆ For new generation portable product D/D converter unit.



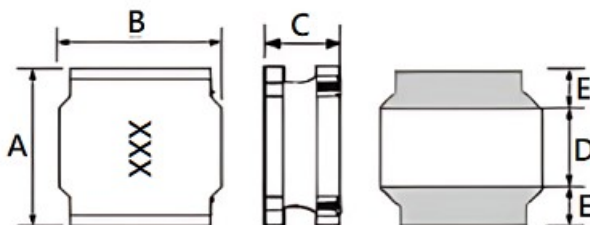
## APPLICATIONS

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

## ORDERING CODE



## DIMENSIONS (UNIT: mm)



|   |               |     |
|---|---------------|-----|
| A | $8.0 \pm 0.3$ | m/m |
| B | $8.0 \pm 0.3$ | m/m |
| C | 6.6 (MAX)     | m/m |
| D | 3.50 (REF)    | m/m |
| E | 2.50 (REF)    | m/m |



CORE MASTER ENTERPRISE CO., LTD.

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### ELECTRICAL CHARACTERISTICS FOR NR8065

| Part No.     | Inductance (uH) | Test Frequency | RDC ( $\Omega$ ) | IDC (A) |
|--------------|-----------------|----------------|------------------|---------|
| NR8065-R68 □ | 0.68            | 100KHz         | 0.012            | 20.00   |
| NR8065-1R0 □ | 1.00            | 100KHz         | 0.015            | 10.00   |
| NR8065-2R2 □ | 2.20            | 100KHz         | 0.018            | 9.80    |
| NR8065-3R3 □ | 3.30            | 100KHz         | 0.022            | 9.50    |
| NR8065-4R7 □ | 4.70            | 100KHz         | 0.025            | 9.00    |
| NR8065-5R6 □ | 5.60            | 100KHz         | 0.027            | 8.30    |
| NR8065-6R8 □ | 6.80            | 100KHz         | 0.029            | 7.50    |
| NR8065-7R8 □ | 7.80            | 100KHz         | 0.033            | 7.00    |
| NR8065-8R2 □ | 8.20            | 100KHz         | 0.039            | 6.50    |
| NR8065-100 □ | 10              | 100KHz         | 0.047            | 6.00    |
| NR8065-150 □ | 15              | 100KHz         | 0.064            | 5.00    |
| NR8065-220 □ | 22              | 100KHz         | 0.082            | 4.00    |
| NR8065-330 □ | 33              | 100KHz         | 0.110            | 3.40    |
| NR8065-470 □ | 47              | 100KHz         | 0.163            | 2.80    |
| NR8065-560 □ | 56              | 100KHz         | 0.195            | 2.60    |
| NR8065-680 □ | 68              | 100KHz         | 0.234            | 2.25    |
| NR8065-820 □ | 82              | 100KHz         | 0.260            | 2.10    |
| NR8065-101 □ | 100             | 100KHz         | 0.338            | 1.90    |
| NR8065-151 □ | 150             | 100KHz         | 0.533            | 1.50    |
| NR8065-221 □ | 220             | 100KHz         | 0.715            | 1.25    |
| NR8065-241 □ | 240             | 100KHz         | 0.741            | 1.20    |
| NR8065-331 □ | 330             | 100KHz         | 1.080            | 1.10    |
| NR8065-471 □ | 470             | 100KHz         | 1.560            | 0.87    |
| NR8065-681 □ | 680             | 100KHz         | 2.210            | 0.75    |
| NR8065-102 □ | 1000            | 100KHz         | 3.250            | 0.62    |
| NR8065-152 □ | 1500            | 100KHz         | 4.680            | 0.50    |
| NR8065-202 □ | 2000            | 100KHz         | 6.370            | 0.40    |
| NR8065-222 □ | 2200            | 100KHz         | 6.630            | 0.38    |
| NR8065-302 □ | 3000            | 100KHz         | 10.400           | 0.35    |
| NR8065-332 □ | 3300            | 100KHz         | 11.050           | 0.30    |



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