

# SHIELDED SMD POWER INDUCTORS / NR TYPE

## FEATURES

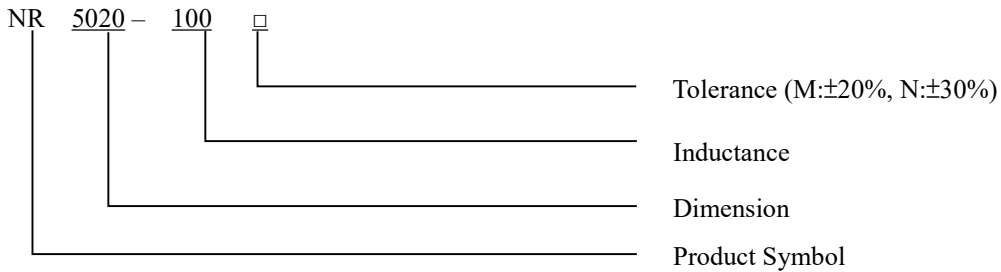
- ◆ Low profile construction and miniature size
- ◆ Magnetic shielded construction
- ◆ High current saturation
- ◆ For new generation portable product D/D converter unit.



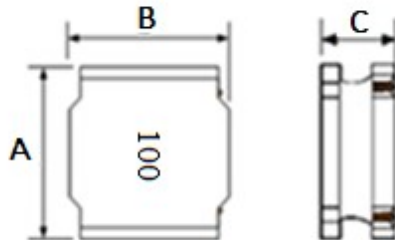
## APPLICATIONS

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

## ORDERING CODE



## DIMENSIONS (UNIT: mm)



A	$5.0 \pm 0.2$	m/m
B	$5.0 \pm 0.2$	m/m
C	2.0 (MAX)	m/m



CORE MASTER ENTERPRISE CO., LTD.

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### ELECTRICAL CHARACTERISTICS FOR NR5020

Part No.	Inductance (uH)	Test Frequency	RDC ( $\Omega$ )	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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