

# SHIELDED SMD POWER INDUCTORS / NR TYPE

## FEATURES

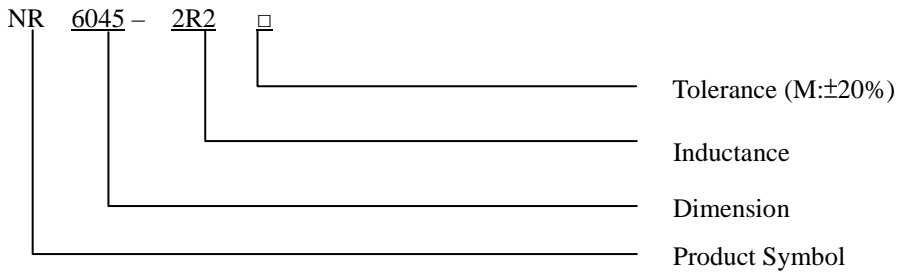
- ◆ Low profile construction and miniature size
- ◆ Magnetic shielded construction
- ◆ High current saturation
- ◆ For new generation portable product D/D converter unit.



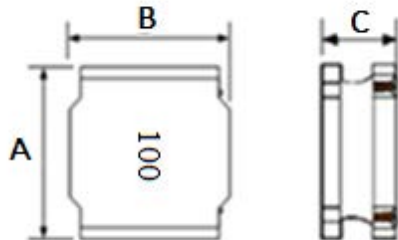
## APPLICATIONS

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

## ORDERING CODE



## DIMENSIONS (UNIT: mm)



A	$6.0 \pm 0.3$	m/m
B	$6.0 \pm 0.3$	m/m
C	4.5 (MAX)	m/m

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### ELECTRICAL CHARACTERISTICS FOR NR6045

Part No.	Inductance (uH)	Test Frequency	RDC ( $\Omega$ )	IDC (A)
NR6045-1R0 □	1.0	100KHz	0.013	12.20
NR6045-1R5 □	1.5	100KHz	0.020	9.60
NR6045-1R8 □	1.8	100KHz	0.021	8.64
NR6045-2R2 □	2.2	100KHz	0.025	7.92
NR6045-3R3 □	3.3	100KHz	0.032	6.75
NR6045-4R7 □	4.7	100KHz	0.041	6.03
NR6045-5R6 □	5.6	100KHz	0.052	4.95
NR6045-6R8 □	6.8	100KHz	0.058	4.77
NR6045-8R2 □	8.2	100KHz	0.069	4.10
NR6045-100 □	10	100KHz	0.070	4.05
NR6045-150 □	15	100KHz	0.104	3.06
NR6045-220 □	22	100KHz	0.116	2.05
NR6045-330 □	33	100KHz	0.179	1.65
NR6045-470 □	47	100KHz	0.288	1.40
NR6045-680 □	68	100KHz	0.429	1.25
NR6045-101 □	100	100KHz	0.650	1.17
NR6045-121 □	120	100KHz	0.730	0.85
NR6045-151 □	150	100KHz	0.854	0.70
NR6045-221 □	220	100KHz	1.690	0.60
NR6045-331 □	330	100KHz	2.340	0.50
NR6045-471 □	470	100KHz	2.847	0.40
NR6045-681 □	680	100KHz	3.550	0.33
NR6045-102 □	1000	100KHz	6.218	0.30
NR6045-152 □	1500	100KHz	9.025	0.20

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